

TIPS VENDOR AGREEMENT

Between _____ and

(Company Name)

THE INTERLOCAL PURCHASING SYSTEM (TIPS)

For

RCSP 170205 Synthetic or Natural Sports Fields, Courts or Tracks (JOC)

General Information

The Vendor Agreement (“Agreement”) made and entered into by and between The Interlocal Purchasing System (hereinafter referred to as “TIPS” respectfully) a government cooperative purchasing program authorized by the Region 8 Education Service Center, having its principal place of business at 4845 US Hwy 271 North, Pittsburg, Texas 75686. This Agreement consists of the provisions set forth below, including provisions of all Attachments referenced herein. In the event of a conflict between the provisions set forth below and those contained in any Attachment, the provisions set forth shall control.

The vendor Agreement shall include and incorporate by reference this Agreement, the terms and conditions, special terms and conditions, any agreed upon amendments, as well as all of the sections of the solicitation as posted, including any addenda and the awarded vendor’s proposal. Once signed, if an awarded vendor’s proposal varies or is unclear in any way from the TIPS Agreement, TIPS, at its sole discretion, will decide which provision will prevail. Other documents to be included are the awarded vendor’s proposals, task orders, purchase orders and any adjustments which have been issued. If deviations are submitted to TIPS by the proposing vendor as provided by and within the solicitation process, this Agreement may be amended to incorporate any agreed deviations.

The following pages will constitute the Agreement between the successful vendors(s) and TIPS. Bidders shall state, in a separate writing, and include with their proposal response, any required exceptions or deviations from these terms, conditions, and specifications. If agreed to by TIPS, they will be incorporated into the final Agreement.

Definitions

PURCHASE ORDER is the TIPS member’s approval providing the authority to proceed with the negotiated delivery order under the Agreement. Special terms and conditions as agreed to between the vendor and TIPS member will be added as addendums to the PO. Items such as certificate of insurance, bonding requirements, small or disadvantaged business goals are some of the addendums possible.

Terms and Conditions

Freight

All deliveries shall be freight prepaid, F.O.B. destination and shall be included in all pricing offered unless otherwise clearly stated in writing.

Warranty Conditions

All supplies equipment and services shall include manufacturer's minimum standard warranty unless otherwise agreed to in writing. Vendor shall be an authorized dealer, distributor or manufacturer for all products. All equipment proposed shall be new unless clearly stated in writing.

Customer Support

The Vendor shall provide timely and accurate customer support to TIPS members. Vendors shall respond to such requests within one (1) working day after receipt of the request. Vendor shall provide training regarding products and services supplied by the Vendor unless otherwise clearly stated in writing at the time of purchase. (Unless training is a line item sold or packaged and must be purchased with product.)

Agreements

All Agreements and agreements between Vendors and TIPS Members shall strictly adhere to the statutes that are set forth in the Uniform Commercial Code as most recently revised.

Agreements for purchase will normally be put into effect by means of a purchase order(s) executed by authorized agents of the participating government entities.

Davis Bacon Act requirements will be met when Federal Funds are used for construction and/or repair of buildings.

Tax exempt status

A taxable item sold, leased, rented to, stored, used, or consumed by any of the following governmental entities is exempted from the taxes imposed by this chapter:(1) the United States; (2) an unincorporated instrumentality of the United States; (3) a corporation that is an agency or instrumentality of the United States and is wholly owned by the United States or by another corporation wholly owned by the United States;(4) the State of Texas; (5) a Texas county, city, special district, or other political subdivision; or (6) a state, or a governmental unit of a state that borders Texas, but only to the extent that the other state or governmental unit exempts or does not impose a tax on similar sales of items to this state or a political subdivision of this state. Texas Tax Code § 151.309.

Assignments of Agreements

No assignment of Agreement may be made without the prior written approval of TIPS. Payment can only be made to the awarded Vendor or vendor assigned dealer.

Disclosures

1. Vendor affirms that he/she has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor or service to a public servant in connection with this Agreement.
2. Vendor shall attach, in writing, a complete description of any and all relationships that might be considered a conflict of interest in doing business with participants in the TIPS program.
3. The vendor affirms that, to the best of his/her knowledge, the offer has been arrived at independently, and is submitted without collusion with anyone to obtain information or gain any favoritism that would in any way limit competition or give an unfair advantage over other vendors in the award of this Agreement.

Renewal of Agreements

The Agreement with TIPS is for one (1) year with an option for renewal for additional consecutive years as provided in the solicitation. Total term of Agreement can be up to the number of years provided in the solicitation, if sales are reported through the Agreement and both parties agree.

Automatic Renewal Clauses Incorporated in Awarded Vendor Agreements with TIPS Members Resulting from the Solicitation and with the Vendor Named in this Agreement.

No Agreement for goods or services with a TIPS member by the awarded vendor named in this Agreement that results from the solicitation award named in this Agreement, may incorporate an automatic renewal clause with which the TIPS member must comply. All renewal terms incorporated in an Agreement by the vendor with the TIPS member shall only be valid and enforceable when the vendor receives written confirmation by purchase order or executed Agreement issued by the TIPS member for any renewal period. The purpose of this clause is to avoid a TIPS member inadvertently renewing an Agreement during a period in which the governing body of the TIPS member has not properly appropriated and budgeted the funds to satisfy the Agreement renewal. This term is not negotiable and any Agreement between a TIPS member and a TIPS awarded vendor with an automatic renewal clause that conflicts with these terms is rendered void and unenforceable.

Shipments

The Vendor shall ship ordered products within a commercially reasonable time after the receipt of the order. If a product cannot be shipped within that time, the Vendor shall notify TIPS and

the requesting entity as to why the product has not shipped and shall provide an estimated shipping date, if applicable. TIPS or the requesting entity may cancel the order if estimated shipping time is not acceptable.

Invoices

The Vendor or vendor assigned dealer shall submit invoices, to the TIPS participant. Each invoice shall include the TIPS participant's purchase order number. The shipment tracking number or pertinent information for verification of TIPS participant receipt shall be made available upon request. The Vendor or vendor assigned dealer shall not invoice for partial shipments unless agreed to in writing in advance by TIPS and the TIPS participant.

Payments

The TIPS participant will make payments directly to the Vendor or vendor assigned dealer at net 30 days after receiving invoice.

Pricing

The Vendor Agreements to provide pricing to TIPS and its participating governmental entities that is the lowest pricing available to like cooperative purchasing customers and the pricing shall remain so throughout the duration of the Agreement.

The Vendor agrees to promptly lower the cost of any product purchased through TIPS following a reduction in the manufacturer or publisher's direct cost to the Vendor. Price increases will be honored. However, the Vendor shall honor previous prices for thirty (30) days after written notification to TIPS of an increase.

All pricing submitted to TIPS shall include the participation fee, as provided in the solicitation, to be remitted to TIPS by the Vendor. Vendor will not show adding the fee to the invoice presented to customer. Failure to render the participation fee to TIPS shall constitute a breach of this agreement and shall be grounds for termination of this agreement and any other agreement held with TIPS.

Participation Fees

Vendor or vendor assigned dealer Agreements to pay the participation fee for all Agreement sales to TIPS on a monthly scheduled report. Vendor must login to the TIPS database and use the "Submission Report" section to report sales. The Vendor or vendor assigned dealers are responsible for keeping record of all sales that go through the TIPS Agreement. Failure to pay the participation fee will result in termination of Agreement. Please contact TIPS at tips@tips-usa.com or call (866) 839-8477 if you have questions about paying fees.

Indemnity

- 1. Indemnity for Personality Agreements.** Vendor agrees to indemnify and hold harmless and defend TIPS, TIPS member(s), officers and employees, from and against all claims and suits for damages, injuries to persons (including death), property damages, losses, and expenses including court costs and attorney's fees, arising out of, or resulting from, Vendor's performance of this Agreement, including all such causes of action based upon common, constitutional, or statutory law, or based in whole or in part, upon allegations of negligent or intentional acts on the part of the Vendor, its officers, employees, agents, subcontractors, licensees, invitees, whether or not such claims are based in whole or in part upon the negligent acts or omissions of the TIPS, TIPS member(s), officers, employees, or agents.
- 2. Indemnity for Performance Agreements.** The Vendor agrees to indemnify and hold harmless and defend TIPS, TIPS member(s), officers and employees from and against all claims and suits for damages, injuries to persons (including death), property damages, losses, and expenses including court costs and attorney's fees, arising out of, or resulting from, Vendor's work under this Agreement, including all such causes of action based upon common, constitutional, or statutory law, or based in whole or in part, upon allegations of negligent or intentional acts on the part of the Vendor, its officers, employees, agents, subcontractors, licensees, or invitees. Vendor further agrees to indemnify and hold harmless and defend TIPS, TIPS member(s), officers and employees, from and against all claims and suits for injuries (including death) to an officer, employee, agent, subcontractors, supplier or equipment lessee of the Vendor, arising out of, or resulting from, Vendor's work under this Agreement whether or not such claims are based in whole or in part upon the negligent acts or omissions of the TIPS, TIPS member(s), officers, employees, or agents.

Attorney's Fees--Texas Local Government Code § 271.159 is expressly referenced.

Pursuant to §271.159, TEXAS LOC. GOV'T CODE, in the event that any one of the Parties is required to obtain the services of an attorney to enforce this Agreement, the prevailing party, in addition to other remedies available, shall be entitled to recover reasonable attorney's fees and costs of court.

Multiple Vendor Awards

TIPS reserves the right to award multiple vendor Agreements for categories when deemed in the best interest of the TIPS membership. Bidders scoring 80% or above will be considered for an award. Categories are established at the discretion of TIPS.

State of Texas Franchise Tax

By signature hereon, the bidder hereby certifies that he/she is not currently delinquent in the payment of any franchise taxes owed the State of Texas under Chapter 171, Tax Code.

Miscellaneous

The Vendor acknowledges and agrees that continued participation in TIPS is subject to TIPS sole discretion and that any Vendor may be removed from the participation in the Program at any time with or without cause. Nothing in the Agreement or in any other communication between TIPS and the Vendor may be construed as a guarantee that TIPS participants will submit any orders at any time. TIPS reserves the right to request additional proposals for items already on Agreement at any time.

Purchase Order Pricing/Product Deviation

If a deviation of pricing/product on a purchase order occurs, TIPS is to be notified within 24 hours of receipt of order.

Cancellation for non-performance or Agreement deficiency

TIPS may terminate any Agreement if TIPS Members have not used the Agreement, or if purchase volume is determined to be “low volume” in any 12-month period. TIPS reserves the right to cancel the whole or any part of this Agreement due to failure by awarded vendor to carry out any obligation, term or condition of the Agreement. TIPS may issue a written deficiency notice to awarded vendor for acting or failing to act in any of the following:

- Providing material that does not meet the specifications of the Agreement;
- Providing work and/or material that was not awarded under the Agreement;
- Failing to adequately perform the services set forth in the scope of work and specifications;
- Failing to complete required work or furnish required materials within a reasonable amount of time;
- Failing to make progress in performance of the Agreement and/or giving TIPS reason to believe that awarded vendor will not or cannot perform the requirements of the Agreement; and/or
- Performing work or providing services under the Agreement prior to receiving a TIPS reviewed purchase order for such work.

Upon receipt of the written deficiency, awarded vendor shall have ten (10) days to provide a satisfactory response to TIPS. Failure to adequately address all issues of concern may result in Agreement cancellation. Upon cancellation under this paragraph, all goods, materials, work, documents, data and reports prepared by awarded vendor under this Agreement shall become the property of the TIPS Member on demand.

TIPS Member Purchasing Procedures

Purchase orders are issued by participating TIPS member to the awarded vendor indicating on the PO “Agreement Number”. Purchase Order is emailed to TIPS at tipspo@tips-usa.com.

- Awarded vendor delivers goods/services directly to the participating member.

- Awarded vendor invoices the participating TIPS member directly.
- Awarded vendor receives payment directly from the participating member.
- Awarded vendor reports sales monthly to TIPS (unless prior arrangements have been made with TIPS to report monthly).

Form of Agreement

If a vendor submitting an offer requires TIPS and/or TIPS Member to sign an additional agreement, a copy of the proposed agreement must be included with the proposal. In response to submitted supplemental Vendor Agreement documents, TIPS will review proposed vendor Agreement documents. Vendor's Agreement document shall not become part of TIPS's Agreement with vendor unless and until an authorized representative of TIPS reviews and approves it.

Licenses

Awarded vendor shall maintain in current status all federal, state and local licenses, bonds and permits required for the operation of the business conducted by awarded vendor. Awarded vendor shall remain fully informed of and in compliance with all ordinances and regulations pertaining to the lawful provision of services under the Agreement. TIPS reserves the right to stop work and/or cancel Agreement of any awarded vendor whose license(s) expire, lapse, are suspended or terminated.

Novation

If awarded vendor sells or transfers all assets or the entire portion of the assets used to perform this Agreement, a successor in interest must guarantee to perform all obligations under this Agreement. TIPS reserves the right to accept or reject any new party. A simple change of name agreement will not change the Agreement obligations of awarded vendor.

Site Requirements (when applicable to service or job)

Cleanup: Awarded vendor shall clean up and remove all debris and rubbish resulting from their work as required or directed by TIPS Member. Upon completion of work, the premises shall be left in good repair and an orderly, neat, clean and unobstructed condition.

Preparation: Awarded vendor shall not begin a project for which TIPS Member has not prepared the site, unless awarded vendor does the preparation work at no cost, or until TIPS Member includes the cost of site preparation in a purchase order.

Site preparation includes, but is not limited to: moving furniture, installing wiring for networks or power, and similar pre-installation requirements.

Registered sex offender restrictions: For work to be performed at schools, awarded vendor agrees that no employee of a sub-contractor who has been adjudicated to be a registered sex offender will perform work at any time when students are or reasonably expected to be present.

Awarded vendor agrees that a violation of this condition shall be considered a material breach and may result in the cancellation of the purchase order at the TIPS Member's discretion. Awarded vendor must identify any additional costs associated with compliance of this term. If no costs are specified, compliance with this term will be provided at no additional charge. Safety measures: Awarded vendor shall take all reasonable precautions for the safety of employees on the worksite, and shall erect and properly maintain all necessary safeguards for protection of workers and the public. Awarded vendor shall post warning signs against all hazards created by the operation and work in progress. Proper precautions shall be taken pursuant to state law and standard practices to protect workers, general public and existing structures from injury or damage.

Smoking

Persons working under Agreement shall adhere to local smoking policies. Smoking will only be permitted in posted areas or off premises.

Invoices

The awarded vendor shall submit invoices to the participating entity clearly stating "Per TIPS Agreement". The shipment tracking number or pertinent information for verification shall be made available upon request.

Marketing

Awarded vendor agrees to allow TIPS to use their name and logo within website, marketing materials and advertisement. Any use of TIPS name and logo or any form of publicity, inclusive of press release, regarding this Agreement by awarded vendor must have prior approval from TIPS.

Supplemental agreements

The entity participating in the TIPS Agreement and awarded vendor may enter into a separate supplemental agreement to further define the level of service requirements over and above the minimum defined in this Agreement i.e. invoice requirements, ordering requirements, specialized delivery, etc. Any supplemental agreement developed as a result of this Agreement is exclusively between the participating entity and awarded vendor. TIPS, its agents, TIPS members and employees shall not be made party to any claim for breach of such agreement.

Survival Clause

All applicable software license agreements, warranties or service agreements that were entered into between Vendor and Customer under the terms and conditions of the Agreement shall survive the expiration or termination of the Agreement. All Purchase Orders issued and accepted by Order Fulfiller shall survive expiration or termination of the Agreement.

Legal obligations

It is the responding vendor's responsibility to be aware of and comply with all local, state and federal laws governing the sale of products/services identified in this RFP and any awarded Agreement thereof. Applicable laws and regulations must be followed even if not specifically identified herein.

Audit rights

Awarded Vendor shall, at their sole expense, maintain appropriate due diligence of all purchases made by TIPS Member that utilizes this Agreement. TIPS and Region 8 ESC each reserve the right to audit the accounting for a period of three (3) years from the time such purchases are made. This audit right shall survive termination of this Agreement for a period of one (1) year from the effective date of termination. TIPS shall have authority to conduct random audits of Awarded Vendor's pricing that is offered to TIPS Members. Notwithstanding the foregoing, in the event that TIPS is made aware of any pricing being offered to eligible entities that is materially inconsistent with the pricing under this agreement, TIPS shall have the ability to conduct the audit internally or may engage a third-party auditing firm. In the event of an audit, the requested materials shall be provided in the format and at the location designated by Region 8 ESC or TIPS.

Force Majeure

If by reason of Force Majeure, either party hereto shall be rendered unable wholly or in part to carry out its obligations under this Agreement then such party shall give notice and fully particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereinafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

Services

When applicable, performance bonds and payment bonds will be required on construction or labor required jobs. Awarded vendor will meet the TIPS member's local and state purchasing requirements. Awarded vendors may need to provide additional capacity as jobs increase. Bonds will not require that a fee be paid to TIPS. The actual cost of the bond will be a pass through to the TIPS member and added to the purchase order or Agreement.

Scope of Services

The specific scope of work for each job shall be determined in advance and in writing between TIPS Member and Awarded vendor. It is okay if the TIPS member provides a general scope, but the awarded vendor should provide a written scope of work to the TIPS member as part of the proposal.

Once the scope of the job is agreed to, the TIPS member will issue a PO and/or an Agreement with the estimate referenced as an attachment along with bond and any other special provisions agreed to for the TIPS member. If special terms and conditions other than those covered within this solicitation and awarded Agreements are required, they will be attached to the PO and shall take precedence over those in the base Agreement.

Project Delivery Order Procedures

The TIPS member having approved and signed an interlocal agreement, or other TIPS membership document, may make a request of the awarded vendor under this Agreement when the TIPS member has services that need to be undertaken. Notification may occur via phone, the web, email, fax, or in person.

Upon notification of a pending request, the awarded vendor shall make contact with the TIPS member as soon as possible, but must make contact with the TIPS member within two working days.

Scheduling of Projects

Scheduling of projects (if applicable) will be accomplished when the TIPS member issues a purchase order that will serve as “the notice to proceed”. The period for the delivery order will include the mobilization, materials purchase, installation and delivery, design, weather, and site cleanup and inspection. No additional claims may be made for delays as a result of these items. When the tasks have been completed the awarded vendor shall notify the client and have the TIPS member inspect the work for acceptance under the scope and terms in the PO. The TIPS member will issue in writing any corrective actions that are required. Upon completion of these items, the TIPS member will issue a completion notice and final payment will be issued.

Support Requirements

If there is a dispute between the awarded vendor and TIPS member, TIPS or its representatives will assist in conflict resolution or third party (mandatory mediation), if requested by either party. TIPS, or its representatives, reserves the right to inspect any project and audit the awarded vendors TIPS project files, documentation and correspondence.

Incorporation of Solicitation

The TIPS Request for Proposals or the Request for Competitive Sealed Proposals solicitation and all associated documents and forms made part of the solicitation process, including any addenda, that resulted in the execution of this agreement are hereby incorporated by reference into this agreement as if copied verbatim.

Special Terms and Conditions

It is the intent of TIPS to Agreement with a reliable, high performance vendor to supply products and services to government and educational agencies. It is the experience of TIPS that the following procedures provide TIPS, the Vendor, and the participating agency the necessary support to facilitate a mutually beneficial relationship. The specific procedures will be negotiated with the successful vendor.

- **Agreements:** All vendor purchase orders and/or Agreements/agreements must be emailed to TIPS at tipspo@tips-usa.com. Should an agency send an order direct to vendor, it is the vendor's responsibility to forward the order to TIPS at the email above within 24 business hours and confirm its receipt with TIPS.
 - **Promotion of Agreement:** It is agreed that Vendor will encourage all eligible entities to purchase from the TIPS Program. Encouraging entities to purchase directly from the Vendor and not through TIPS Agreement is a violation of the terms and conditions of this Agreement and will result in removal of the Vendor from the TIPS Program.
 - **Daily Order Confirmation:** All Agreement purchase orders will be approved daily by TIPS and sent to vendor. The vendor must confirm receipt of orders to the TIPS member (customer) within 24 business hours.
 - **Vendor custom website for TIPS:** If Vendor is hosting a custom TIPS website, then updated pricing must be posted by 1st of each month.
 - **Back Ordered Products:** If product is not expected to ship within 3 business days, customer is to be notified within 24 hours and appropriate action taken based on customer request.
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Term of Agreement is one year with renewal options for up to two additional years as provided in the solicitation.

TIPS Vendor Agreement Signature Form

RCSP 170205 Synthetic or Natural Sports Fields, Courts or Tracks (JOC)

Company Name VIBRA WHIRL SPORTS, LTD

Address PO BOX 966, 94 MAIN STREET

City PANHANDLE State TX Zip 79068-0966

Phone 806-537-3526 Fax 806-537-3442

Email of Authorized Representative alltrack@vibrawhirl.com

Name of Authorized Representative GLEN SWAFFORD

Title PRESIDENT

Signature of Authorized Representative 

Date 3/13/2017

TIPS Authorized Representative Name Meredith Barton

Title Vice-President of Operations

TIPS Authorized Representative Signature 

Approved by ESC Region 8 

Date 3/23/2017

The Interlocal Purchasing System (TIPS Cooperative) Supplier Response

Bid Information		Contact Information		Ship to Information
Bid Creator	Mr. David Mabe General Manager	Address	Region VIII Education Service Center 4845 US Highway 271 North Pittsburg, TX 75686	Address
Email	david.mabe@tips-usa.com	Contact	Kim Thompson, TIPS Office Manager	Contact
Phone	+1 (903) 243-4759	Department Building		Department Building
Fax	+1 (866) 749-6674	Floor/Room		Floor/Room
Bid Number	170205 Addendum 1	Telephone	+1 (866) 839-8477	Telephone
Title	Synthetic or Natural Sports Fields, Courts or Tracks (JOC)	Fax	+1 (866) 839-8472	Fax
Bid Type	RFP	Email	bids@tips-usa.com	Email
Issue Date	2/2/2017 08:01 AM (CT)			
Close Date	3/17/2017 03:00:00 PM (CT)			

Supplier Information

Company Vibra-Whirl Sports
 Address PO Box 966
 Panhandle, TX 79068

Contact
 Department
 Building
 Floor/Room
 Telephone (806) 537-3526
 Fax (806) 537-3442
 Email
 Submitted 3/17/2017 09:17:35 AM (CT)
 Total \$0.00

By submitting your response, you certify that you are authorized to represent and bind your company.

Signature Glen Swafford

Email alltrack@vibrawhirl.com

Supplier Notes

Proposal for: The Interlocal Purchasing System TIPS. Contract #170205 (Addendum 1) Synthetic or Natural Sports Fields, Courts or Tracks (JOC)
 All required documentation uploaded in Response Attachments and Attributes completed. We are designing a new brochure for track and turf surfacing. I will submit this to you when complete.
 Thank you.

Bid Notes

Bid Activities

Bid Messages

Bid Attributes

Please review the following and respond where necessary

#	Name	Note	Response
1	Yes - No	Disadvantaged/Minority/Women Business Enterprise - D/M/WBE (Required by some participating governmental entities) Vendor certifies that their firm is a D/M/WBE? Vendor must upload proof of certification to the "Response Attachments" D/M/WBE CERTIFICATES section.	No
2	Yes - No	Highly Underutilized Business - HUB (Required by some participating governmental entities) Vendor certifies that their firm is a HUB? Vendor must upload proof of certification to the "Response Attachments" HUB CERTIFICATES section.	No
3	Yes - No	The Vendor can provide services and/or products to all 50 US States?	Yes
4	States Served:	If answer is NO to question #3, please list which states can be served. (Example: AR, OK, TX)	
5	Company and/or Product Description:	This information will appear on the TIPS website in the company profile section, if awarded a TIPS contract. (Limit 750 characters.)	VIBRA WHIRL SPORTS, LTD IS THE OLDEST CONTINUOUSLY RUN SPORTS SURFACING COMPANY IN THE UNITED STATES. VIBRA WHIRL SPORTS LTD IS ONE OF THE MOST EXPERIENCED AND KNOWLEDGEABLE IN THE SPORTS SURFACING BUSINESS WITH A CERTIFIED TRACK BUILDER ON STAFF.
6	Primary Contact Name	Primary Contact Name	GLEN SWAFFORD
7	Primary Contact Title	Primary Contact Title	PRESIDENT
8	Primary Contact Email	Primary Contact Email	alltrack@vibrawhirl.com
9	Primary Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	8065373526
10	Primary Contact Fax	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	8065373442
11	Primary Contact Mobile	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	
12	Secondary Contact Name	Secondary Contact Name	CHRIS COOKE
13	Secondary Contact Title	Secondary Contact Title	ESTIMATOR
14	Secondary Contact Email	Secondary Contact Email	estimator@vibrawhirl.com
15	Secondary Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	8065373526
16	Secondary Contact Fax	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	8065373442

17	Secondary Contact Mobile	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	
18	Admin Fee Contact Name	Admin Fee Contact Name. This person is responsible for paying the admin fee to TIPS.	PENNY REINING
19	Admin Fee Contact Email	Admin Fee Contact Email	accounting@vibrawhirl.com
20	Admin Fee Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	8065373526
21	Purchase Order Contact Name	Purchase Order Contact Name. This person is responsible for receiving Purchase Orders from TIPS.	MELANIE S-HICKS
22	Purchase Order Contact Email	Purchase Order Contact Email	alltrack@vibrawhirl.com
23	Purchase Order Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	8065373526
24	Company Website	Company Website (Format - www.company.com)	www.vibrawhirl.com
25	Federal ID Number:	Federal ID Number also known as the Employer Identification Number. (Format - 12-3456789)	76-0785991
26	Primary Address	Primary Address	PO BOX 966
27	Primary Address City	Primary Address City	PANHANDLE
28	Primary Address State	Primary Address State (2 Digit Abbreviation)	TX
29	Primary Address Zip	Primary Address Zip	79068
30	Search Words:	Please list search words to be posted in the TIPS database about your company that TIPS website users might search. Words may be product names, manufacturers, or other words associated with the category of award. YOU MAY NOT LIST NON-CATEGORY ITEMS. (Limit 500 words) (Format: product, paper, construction, manufacturer name, etc.)	vibra whirl sports, vwspots, sports surfacing, artificial turf, synthetic running track, field turf, omni, spiketop universal, polyurethane, track and field, football, softball
31	Yes - No	Do you wish to be eligible to participate in a TIPS contract in which a TIPS member utilizes federal funds on contracts exceeding \$100,000? (Non-Construction)	Yes
32	Yes - No	Certification of Residency (Required by the State of Texas) Company submitting bid is a Texas resident bidder?	Yes
33	Company Residence (City)	Vendor's principal place of business is in the city of?	PANHANDLE
34	Company Residence (State)	Vendor's principal place of business is in the state of?	TEXAS
35	Pricing Information:	Pricing information section. (Questions 36 - 38)	(No Response Required)
36	Yes - No	Pricing submitted includes the TIPS administration fee?	Yes
37	Yes - No	Vendor agrees to remit to TIPS the required administration fee?	Yes
38	Yes - No	Additional discounts to TIPS members for bulk quantities or scope of work?	Yes
39	Years Experience	Company years experience in this category?	65
40	Prices are guaranteed for?	(__Month(s), __ Year(s), or Term of Contract) (Standard term is "Term of Contract")	TERM OF CONTRACT

46 Certification Regarding Lobbying

Applicable to Grants, Subgrants, Cooperative Agreements, and Contracts Exceeding \$100,000 in Federal Funds. Yes, I certify
Submission of this certification is a prerequisite for making or entering into this transaction and is imposed by section 1352, Title 31, U.S. Code. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with the awarding of a Federal contract, the making of a Federal grant, the making of a Federal loan, the entering into a cooperative agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all covered subawards exceeding \$100,000 in Federal funds at all appropriate tiers and that all subrecipients shall certify and disclose accordingly.

You may find the Blank Certification Regarding Lobbying form on our website at:

Copy and Paste the following link into a new browser or tab:

<https://www.tips-usa.com/assets/documents/docs/CRL.pdf>

Do you certify the three (3) certification of lobbying statements above? If you do not certify the three (3) statements above please download the Certification Regarding Lobbying form, fill out the form, sign the form, scan the form and upload to the Certification Regarding Lobbying section on the "Response Attachments" tab.

47 Regulatory Standing

I certify to TIPS for the proposal attached that my company is in good standing with all governmental agencies Federal or state that regulate any part of our business operations. If not, please explain in the next attribute question.

Yes

48 Regulatory Standing

Regulatory Standing explanation of no answer.

49 Antitrust Certification Statements (Tex. Government Code § 2155.005)

By submission of this bid or proposal, the Bidder certifies that: (No Response Required)

I affirm under penalty of perjury of the laws of the State of Texas that:

(1) I am duly authorized to execute this contract on my own behalf or on behalf of the company, corporation, firm, partnership or individual (Company) listed below;

(2) In connection with this bid, neither I nor any representative of the Company has violated any provision of the Texas Free Enterprise and Antitrust Act, Tex. Bus. & Comm. Code Chapter 15;

(3) In connection with this bid, neither I nor any representative of the Company has violated any federal antitrust law;

(4) Neither I nor any representative of the Company has directly or indirectly communicated any of the contents of this bid to a competitor of the Company or any other company, corporation, firm, partnership or individual engaged in the same line of business as the Company.

Instructions for Certification:

(No Response Required)

1. By agreeing to the form, the prospective lower tier participant is providing the certification set out on the form in accordance with these instructions.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification in addition to other remedies available to the federal government, the department or agency with which this transaction originated may pursue available remedies, including suspension and / or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participants," "person," "primary covered transaction," "principal," "proposal" and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this form that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this form that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction" without modification in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible or voluntarily excluded from participation in this transaction, in addition to other remedies available to the federal government, the department or agency with which this transaction originated may pursue available remedies,

including suspension and / or debarment.

- 51 Suspension or Debarment Certification Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549. Yes

By submitting this offer and certifying this section, this bidder:
Certifies that no suspension or disbarment is in place, which would preclude receiving a federally funded contract as described above.

- 52 Non-Discrimination Statement and Certification In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident. Yes

Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotope, American Sign Language, etc.) should contact the responsible Agency or USDA's TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.
To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at How to File a Program Discrimination Complaint and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; (2) fax: (202) 690-7442; or (3) email: program.intake@usda.gov.
(Title VI of the Education Amendments of 1972; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975; Title 7 CFR Parts 15, 15a, and 15b; the Americans with Disabilities Act; and FNS Instruction 113-1, Civil Rights Compliance and Enforcement – Nutrition Programs and Activities)
USDA is an equal opportunity provider, employer, and lender.

Not a negotiable term. Failure to agree will render your proposal non-responsive and it will not be considered. I

certify that in the performance of a contract with TIPS or its members, that our company will conform to the foregoing anti-discrimination statement and comply with the cited law and regulations.

- 53 2 CFR PART 200 Contract Provisions Explanation (No Response Required)
- Required Federal contract provisions of Federal Regulations for Contracts for contracts with ESC Region 8 and TIPS Members:
- The following provisions are required to be in place and agreed if the procurement is funded in any part with federal funds.
- The ESC Region 8 and TIPS Members is the subgrantee or Subrecipient by definition. The federal Rule numbering or identification below is only for reference purpose on this form and does not identify an actual Federal designation or location of the rule. The Rules are located in 2 CFR PART 200 - Appendix II to Part 200—Contract Provisions for Non-Federal Entity Contracts Under Federal Awards at 2 CFR PART 200.
- In addition to other provisions required by the Federal agency or non-Federal entity, all contracts made by the non-Federal entity under the Federal award must contain provisions covering the following, as applicable.
- 54 2 CFR PART 200 (A) Contracts Yes
- Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate. Notice: Pursuant to Federal Rule (A) above, when federal funds are expended by ESC Region 8 and TIPS Members, ESC Region 8 and TIPS Members reserves all rights and privileges under the applicable laws and regulations with respect to this procurement in the event of breach of contract by either party.
- Does vendor agree?
- 55 2 CFR PART 200 (B) Termination Yes
- Termination for cause and for convenience by the grantee or subgrantee including the manner by which it will be effected and the basis for settlement. (All contracts in excess of \$10,000)
- Pursuant to Federal Rule (B) above, when federal funds are expended by ESC Region 8 and TIPS Members, ESC Region 8 and TIPS Members reserves the right to terminate any agreement in excess of \$10,000 resulting from this procurement process for cause after giving the vendor an appropriate opportunity and up to 30 days, to cure the causal breach of terms and conditions. ESC Region 8 and TIPS Members reserves the right to terminate any agreement in excess of \$10,000 resulting from this procurement process for convenience with 30 days notice in writing to the awarded vendor. The vendor would be compensated for work performed and goods procured as of the termination date if for convenience of the ESC Region 8 and TIPS Members. Any award under this procurement process is not exclusive and the ESC Region 8 and TIPS reserves the right to purchase goods and services from other vendors when it is in the best interest of the ESC Region 8 and TIPS.
- Does vendor agree?

56	2 CFR PART 200 (G) Clean Air Act	<p>Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended—Contracts and subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).</p> <p>Pursuant to Federal Rule (G) above, when federal funds are expended by ESC Region 8 and TIPS Members, ESC Region 8 and TIPS Members requires that the proposer certify that during the term of an award by the ESC Region 8 and TIPS Members resulting from this procurement process the vendor agrees to the terms listed and referenced therein.</p> <p>Does vendor agree?</p>	Yes
57	2 CFR PART 200 (H) Debarment and Suspension	<p>Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.</p> <p>Pursuant to Federal Rule (H) above, when federal funds are expended by ESC Region 8 and TIPS Members, ESC Region 8 and TIPS Members requires the proposer certify that during the term of an award by the ESC Region 8 and TIPS Members resulting for this procurement process the vendor certifies that they are not debarred from receiving a contract from the federal government as provided therein.</p> <p>Does vendor agree?</p>	Yes
58	2 CFR PART 200 (I) Byrd Anti-Lobbying Amendment	<p>Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.</p> <p>Pursuant to Federal Rule (I) above, when federal funds are expended by ESC Region 8 and TIPS Members, ESC Region 8 and TIPS Members requires the proposer certify that during the term and after the awarded term of an award by the ESC Region 8 and TIPS Members resulting for this procurement process the vendor certifies to the terms included or referenced therein.</p> <p>Does vendor agree?</p>	Yes

- | | | | |
|----|---|--|-----|
| 59 | 2 CFR PART 200 Federal Rule (12) | <p>Federal Rule (12) Compliance with all applicable standards, orders, or requirements issued under section 306 of the Clean Air Act (42 U.S.C. 1857(h)), section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR part 15). (Contracts, subcontracts, and subgrants of amounts in excess of \$100,000)</p> <p>Pursuant to Federal Rule (12) above, when federal funds are expended by ESC Region 8 and TIPS Members, ESC Region 8 and TIPS Members requires the proposer certify that in performance of the contracts, subcontracts, and subgrants of amounts in excess of \$100,000, the vendor will be in compliance with all applicable standards, orders, or requirements issued under section 306 of the Clean Air Act (42 U.S.C. 1857(h)), section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR part 15).</p> <p>Does vendor certify that it is in compliance with the Clean Air Act?</p> | Yes |
| 60 | 2 CFR PART 200 Procurement of Recovered Materials | <p>A non-Federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with</p> <p>maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.</p> <p>Does vendor certify that it is in compliance with the Solid Waste Disposal Act as described above?</p> | Yes |

61 Indemnification

The ESC Region 8 and TIPS is a Texas Political Subdivision and a local governmental entity; therefore, is prohibited from indemnifying third parties pursuant to the Texas Constitution (Article 3, Section 52) except as specifically provided by law or as ordered by a court of competent jurisdiction. A provision in a contract to indemnify or hold a party harmless is a promise to pay for any expenses the indemnified party incurs, if a specified event occurs, such as breaching the terms of the contract or negligently performing duties under the contract. Article III, Section 49 of the Texas Constitution states that "no debt shall be created by or on behalf of the State ... " The Attorney General has counseled that a contractually imposed obligation of indemnity creates a "debt" in the constitutional sense. Tex. Att'y Gen. Op. No. MW-475 (1982). Contract clauses which require the System or institutions to indemnify must be deleted or qualified with "to the extent permitted by the Constitution and Laws of the State of Texas." Liquidated damages, attorney's fees, waiver of vendor's liability, and waiver of statutes of limitations clauses should also be deleted or qualified with "to the extent permitted by the Constitution and laws of State of Texas." Not a negotiable term. Failure to agree will render your proposal non-responsive and it will not be considered. Do you agree to these terms?

Yes

62 Remedies

The parties shall be entitled to exercise any right or remedy available to it either at law or in equity, subject to the choice of law, venue and service of process clauses limitations agreed herein. Nothing in this agreement shall commit the TIPS to an arbitration resolution of any disagreement under any circumstances. Any Claim arising out of or related to the Contract, except for those specifically waived under the terms of the Contract, may, after denial of the Board of Directors, be subject to mediation at the request of either party. Any issues not resolved hereunder must be referred to non-binding mediation to be conducted by a mutually agreed upon mediator as a prerequisite to the filing of any lawsuit over such issue(s). The parties shall share the mediator's fee and any associated filing fee equally. Mediation shall be held in Camp or Titus County, Texas. Agreements reached in mediation shall be reduced to writing, and will be subject to the approval by the District's Board of Directors, signed by the Parties if approved by the Board of Directors, and, if signed, shall thereafter be enforceable as provided by the laws of the State of Texas. Do you agree to these terms?

Yes, I Agree

63 Remedies Explanation of No Answer

64	Choice of Law	<p>This agreement and any addenda or other additions and all contracts or awards resulting from this procurement process, however described, shall be governed by, construed and enforced in accordance with the laws of the State of Texas, regardless of any conflict of laws principles.</p> <p>Not a negotiable term. Failure to agree will render your proposal non-responsive and it will not be considered. Do you agree to these terms?</p>	Yes
65	Jurisdiction and Service of Process	<p>Any Proceeding arising out of or relating to this procurement process or any contract issued by TIPS resulting from or any contemplated transaction shall be brought in a court of competent jurisdiction in Camp County, Texas and each of the parties irrevocably submits to the exclusive jurisdiction of said court in any such proceeding, waives any objection it may now or hereafter have to venue or to convenience of forum, agrees that all claims in respect of the Proceeding shall be heard and determined only in any such court, and agrees not to bring any proceeding arising out of or relating to this procurement process or any contract resulting from or any contemplated transaction in any other court. The parties agree that either or both of them may file a copy of this paragraph with any court as written evidence of the knowing, voluntary and freely bargained for agreement between the parties irrevocably to waive any objections to venue or to convenience of forum. Process in any Proceeding referred to in the first sentence of this Section may be served on any party anywhere in the world. Venue clauses in contracts with TIPS members may be determined by the parties.</p> <p>Not a negotiable term. Failure to agree will render your proposal non-responsive and it will not be considered. Do you agree to these terms?</p>	Yes
66	Alternative Dispute Resolution	<p>Prior to filing of litigation, the parties may select non-binding mediation as a method of conflict resolution for issues arising out of or relating to this procurement process or any contract resulting from or any contemplated transaction. The parties agree that if nonbinding mediation is chosen as a resolution process, the parties must agree to the chosen mediator(s) and that all mediation venue shall be at a location in Camp or Titus, County, Texas agreed by the parties. The parties agree to share equally the cost of the mediation process and venue cost.</p> <p>Do you agree to these terms?</p>	Yes, I Agree
67	Alternative Dispute Resolution Explanation of No Answer		
68	Infringement(s)	<p>The successful vendor will be expected to indemnify and hold harmless the TIPS and its employees, officers, agents, representatives, contractors, assignees and designees from any and all third party claims and judgments involving infringement of patent, copyright, trade secrets, trade or service marks, and any other intellectual or intangible property rights in connection with the vendor's proposal or ultimate contracts awarded and approved.</p>	Yes, I Agree

Do you agree to these terms?

69 Infringement(s) Explanation of No Answer

70 Acts or Omissions

The successful vendor will be expected to indemnify and hold harmless the TIPS, its officers, employees, agents, representatives, contractors, assignees and designees from and against any and all liability, actions, claims, demands or suits, and all related costs, attorney's fees and expenses arising out of, or resulting from any acts or omissions of the vendor or its agents, employees, subcontractors, or suppliers in the execution or performance of any agreements ultimately made by TIPS and the vendor.
Do you agree to these terms?

Yes, I Agree

71 Acts or Omissions Explanation of No Answer

72 Contract Governance

Any contract made or entered into by the TIPS is subject to and is to be governed by Section 271.151 et seq, Tex Loc Gov't Code. Otherwise, TIPS does not waive its governmental immunities from suit or liability except to the extent expressly waived by other applicable laws in clear and unambiguous language.

Yes

73 Payment Terms and Funding Out Clause

Payment Terms:
TIPS members pay net 30 or at point of sale and complies with the State of Texas payment law, Texas Government Code, Chapter 2251. See statute for specifics or consult your legal counsel. These are minimum terms required of the TIPS member in Texas by law and the parties may negotiate custom payment terms as desired provided they do not violate the statutory requirements. Statutory or binding regulations control TIPS members in this contract.
Funding out Clause:
Pursuant to Texas Local Government Code Sec. 271.903, any proposal offer accepted by TIPS and its members and all contracts to be approved are subject to the budgeting and appropriation of then currently available funds. See statute for specifics or consult your legal counsel.
Not a negotiable term. Failure to agree will render your proposal non-responsive and it will not be considered. Do you agree to these terms?

Yes

74 Insurance and Fingerprint Requirements Information

Insurance

If applicable and your staff will be on TIPS member premises for delivery, training or installation etc. and/or with an automobile, you must carry automobile insurance as required by law. You may be asked to provide proof of insurance.

Fingerprint

It is possible that a vendor may be subject to Chapter 22 of the Texas Education Code. The Texas Education Code, Chapter 22, Section 22.0834. Statutory language may be found at: <http://www.statutes.legis.state.tx.us/>

If the vendor has staff that meet both of these criterion:
(1) will have continuing duties related to the contracted services; and

(2) has or will have direct contact with students

Then you have "covered" employees for purposes of completing the attached form.

TIPS recommends all vendors consult their legal counsel for guidance in compliance with this law. If you have questions on how to comply, see below. If you have questions on compliance with this code section, contact the Texas Department of Public Safety Non-Criminal Justice Unit, Access and Dissemination Bureau, FAST-FACT at

NCJU@txdps.state.tx.us and you should send an email identifying you as a contractor to a Texas Independent School District or ESC Region 8 and TIPS. Texas DPS phone number is (512) 424-2474.

See form in the next attribute to complete entitled:

Texas Education Code Chapter 22 Contractor Certification for Contractor Employees

(No Response Required)

75 Texas Education Code Chapter 22 Contractor Certification for Contractor Employees

Introduction: Texas Education Code Chapter 22 requires entities that contract with school districts to provide services to obtain criminal history record information regarding covered employees. Contractors must certify to the district that they have complied. Covered employees with disqualifying criminal histories are prohibited from serving at a school district.

Definitions: Covered employees: Employees of a contractor or subcontractor who have or will have continuing duties related to the service to be performed at the District and have or will have direct contact with students. The District will be the final arbiter of what constitutes direct contact with students. Disqualifying criminal history: Any conviction or other criminal history information designated by the District, or one of the following offenses, if at the time of the offense, the victim was under 18 or enrolled in a public school:

(a) a felony offense under Title 5, Texas Penal Code; (b) an offense for which a defendant is required to register as a sex offender under Chapter 62, Texas Code of Criminal Procedure; or (c) an equivalent offense under federal law or the laws of another state.

I certify that:

NONE (Section A) of the employees of Contractor and any subcontractors are covered employees, as defined above. If this box is checked, I further certify that Contractor has taken precautions or imposed conditions to ensure that the employees of Contractor and any subcontractor will not become covered employees. Contractor will maintain these precautions or conditions throughout the time the contracted services are provided.

OR

SOME (Section B) or all of the employees of Contractor and any subcontractor are covered employees. If this box is checked, I further certify that:

(1) Contractor has obtained all required criminal history record information regarding its covered employees. None of the covered employees has a disqualifying criminal history.

(2) If Contractor receives information that a covered employee subsequently has a reported criminal history, Contractor will immediately remove the covered employee from contract duties and notify the District in writing within 3 business days.

(3) Upon request, Contractor will provide the District with the name and any other requested information of covered employees so that the District may obtain criminal history record information on the covered employees.

(4) If the District objects to the assignment of a covered employee on the basis of the covered employee's criminal history record information, Contractor agrees to discontinue using that covered employee to provide services at the District.

Noncompliance or misrepresentation regarding this certification may be grounds for contract termination.

76 Solicitation Deviation/Compliance

Does the vendor agree with the General Conditions Standard Terms and Conditions or Item Specifications listed in this proposal invitation? Yes

- 77 Solicitation Exceptions/Deviations Explanation If the bidder intends to deviate from the General Conditions Standard Terms and Conditions or Item Specifications listed in this proposal invitation, all such deviations must be listed on this attribute, with complete and detailed conditions and information included or attached.
TIPS will consider any deviations in its proposal award decisions, and TIPS reserves the right to accept or reject any bid based upon any deviations indicated below or in any attachments or inclusions.
In the absence of any deviation entry on this attribute, the proposer assures TIPS of their full compliance with the Standard Terms and Conditions, Item Specifications, and all other information contained in this Solicitation.
- 78 Agreement Deviation/Compliance Does the vendor agree with the language in the Vendor Agreement? Yes
- 79 Agreement Exceptions/Deviations Explanation If the proposing Vendor desires to deviate from the Vendor Agreement language, all such deviations must be listed on this attribute, with complete and detailed conditions and information included. TIPS will consider any deviations in its proposal award decisions, and TIPS reserves the right to accept or reject any proposal based upon any deviations indicated below. In the absence of any deviation entry on this attribute, the proposer assures TIPS of their full compliance with the Vendor Agreement.

Line Items

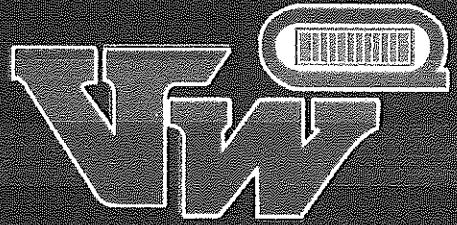
Response Total: \$0.00

REFERENCES

Please provide three (3) references, preferably from school districts or other governmental entities who have used your services within the last three years. Additional references may be required. DO NOT INCLUDE TIPS EMPLOYEES AS A REFERENCE.

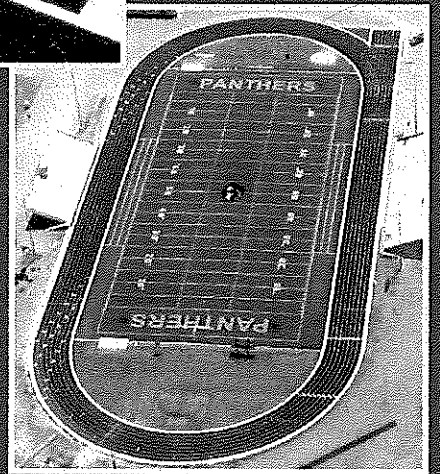
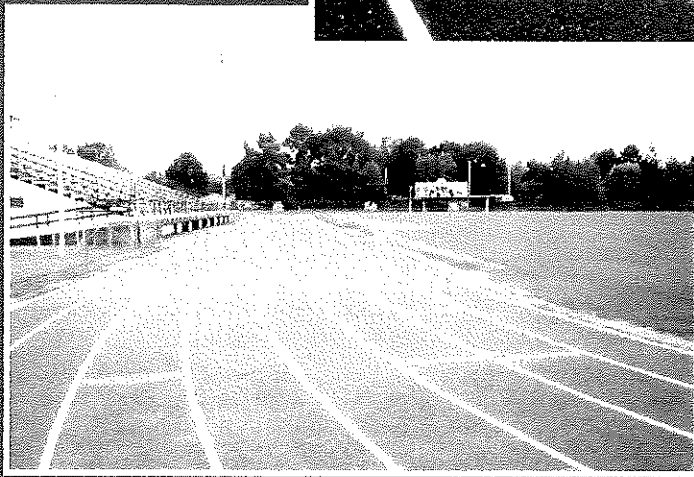
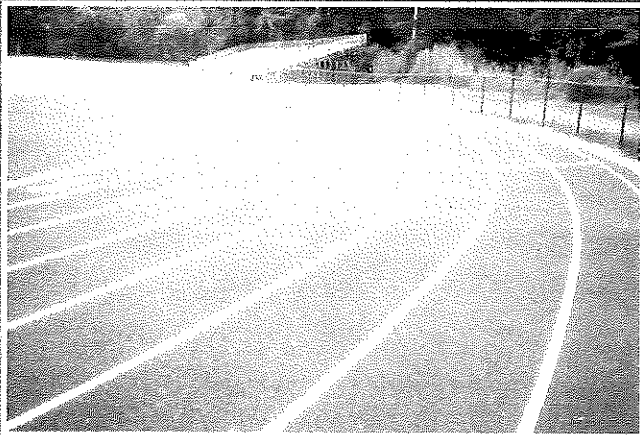
You may provide more than three (3) references.

Entity Name	Contact Person	Email	Phone
HIGGINS ISD	STEVE JAMES	steve.james@region16.net	806-852-2171
PANHANDLE ISD	BLAIR BROWN	blair.brown@region16.net	806-537-3568
LEONARD ISD	LARRY LAFEVERS	lafavers@leonardisd.net	903-587-3556
JAL PUBLIC SCHOOLS	DR. BRIAN SNIDER	brian.snider@jalnm.com	575-395-2101
CLEBURNE ISD	TOM TROUT	childress-engineers.com	817-645-1118
WAXAHACHIE ATHLETIC COMPLEX	JAMES VILLARREAL	jvillarreal@waxahachie.com	972-523-8706



VIBRA-WHIRL SPORTS, LTD
SPORT SURFACES

1-800-255-8722



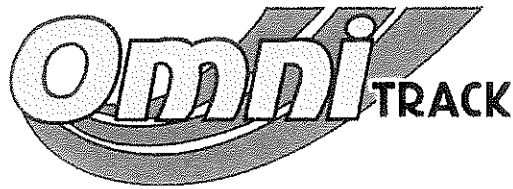
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Over 3500 track surface installations!

Installers / Producers of...



Spike top
THE TOP OF THE POLYURETHANES
Track Surface Systems



Omni

Puts the price of a world class track in the price-range of more schools.

OMNI latex all-weather track choices...

Omni System "B"

(Black rubber with black binder)

Black rubber chips are encapsulated by a specially formulated black rubber latex. A black polymeric coating is then sprayed on top to make this a quality surface with a handsome appearance. Since color pigments are not used, this is the most economical of Omni choices.

Omni System "CB"

(Black rubber with color binder)

Black rubber chips are encapsulated by a pigmented latex binder to create a colored track. A matching polymeric coating is then sprayed on top to add a further layer of color and protection to the surface. Because the colored binder extends throughout the track and not merely sprayed on top, this surface will remain attractive for many years. Custom colors are available.

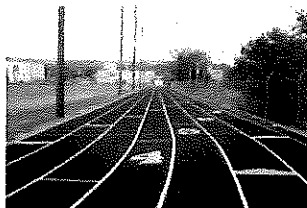
Omni System "S"

(Two layers - one layer of black rubber with color binder topped by another layer of color rubber with color binder)

A 1/4 inch layer of black rubber encapsulated by a pigmented latex binder (similar to the Omni CB system) and overlaid with an 1/8 inch layer of colored rubber encapsulated by pigmented binder (similar to the Omni F system). The finished surface is sprayed with a matching polymeric coating. This combination offers the benefit of in-depth color at a significant savings in cost. Custom colors are available.

Omni System "F" (Colored rubber w/matching binder)

Colored rubber is combined with a binder of the same color to give true in-depth color. The finished surface is sprayed with a matching polymeric coating. High wear areas at starts, exchange zones and on field event areas remain virtually invisible during the long life of this surface. Custom colors are available.



Vibra-Whirl Sports, Ltd

1-800-255-8722

alltrack@vibrawhirl.com

www.vibrawhirl.com

Spike top

THE TOP OF THE POLYURETHANES
Track Surface Systems



Spike top *The top of the POLYURETHANES*

SPIKETOP Polyurethane all-weather track choices...

Spiketop Basic "Black Mat"

A paved in-place mixture of black rubber granules and polyurethane MDI prepolymer binder. This is a porous surface.

Spiketop Universal "Black Mat With Structure Spray"

A paved in-place "Black Mat" sprayed with pigmented single component MDI polyurethane and high resistance EPDM rubber granules. This porous surface is available in custom colors.

Spiketop International "Colored Mat"

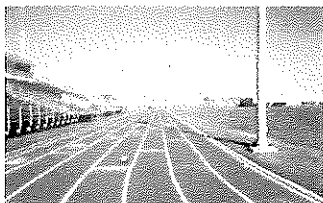
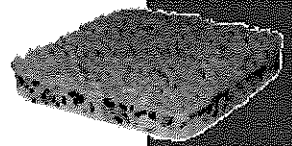
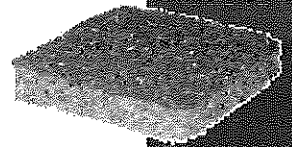
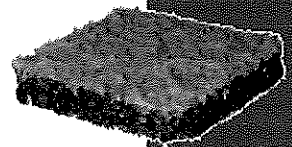
A paved in-place mixture of full color EPDM rubber and polyurethane MDI prepolymer binder. This porous surface is available in custom colors.

Spiketop Super "Sandwich"

A paved in-place "Black Mat" sealed with a 2 component polyurethane filler and topped with a squeegee applied 2 component polyurethane coating and cast in EPDM rubber granules. This is a non-porous surface.

Spiketop Olympic "Full Pour"

A two component polyurethane wet pour system with mixed in rubber granules topped by cast in high resistant EPDM rubber granules. This is a non-porous surface.



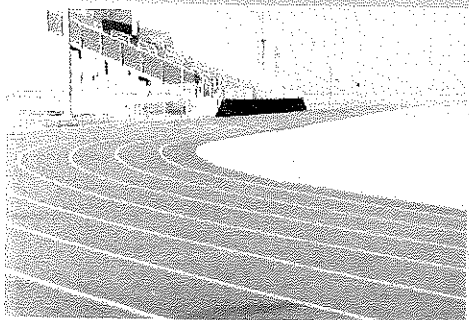
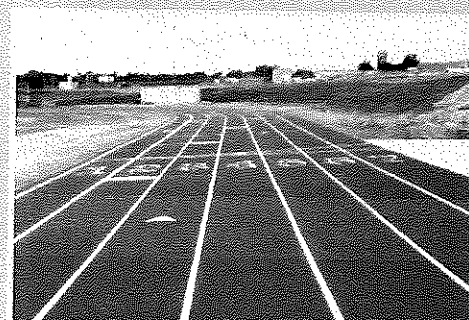
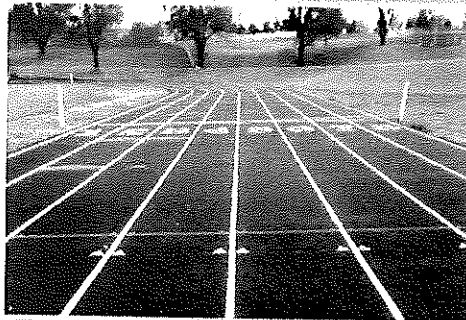
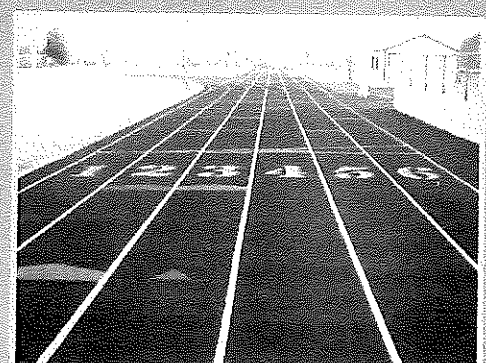
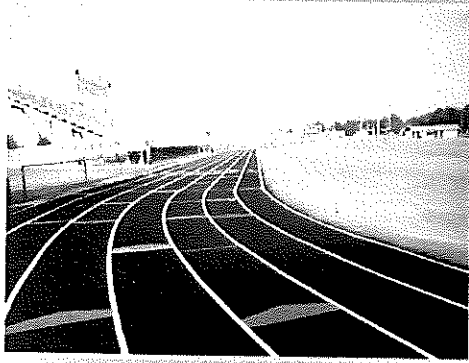
Vibra-Whirl Sports, Ltd

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For superior surfaces & service contact the oldest sports surfacing company in the United States.



Vibra-Whirl Sports, Ltd

1-800-ALL-TRAC (255-8722)

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MISSION STATEMENT

We believe quality sports surface installations and facilities are a direct result of qualified individuals working together for a common accomplishment. A high quality furnished product. We recognize the services and products we provide are special and are what help differentiate Vibra-Whirl from all other athletic surface contractors. We strive to provide total turnkey services for any size job, and we dedicate ourselves to working with the customer to provide the best services and products possible. Together, the development of the total program makes sports surfacing a success at Vibra-Whirl.

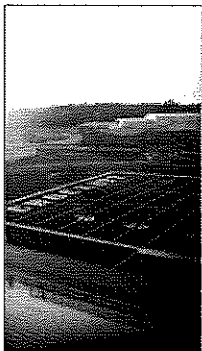
Customer Focus

Vibra-Whirl has been an established company for 60 plus years, we have been able to do so with an excellent track record for customer satisfaction. We have been successful in providing customers with efficient services, ensuring that our strong work ethics offer maximum returns. We have never compromised on the quality and services provided to the customer. We believe in keeping the customers happy by providing a swift response to any needs or concerns. We have an excellent staff who will keep in touch with your company. We also provide annual inspections, and perform any needed services.

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VW Sports Advantage

Since 1952, Vibra-Whirl has been satisfying customers throughout the United States. It all started with a 50 gallon drum and a motor, the athletic whirlpool was developed.

In 1966, Vibra-Whirl entered into the sports surfacing side of athletics designing, installing and surfacing running tracks. In the 40+ years, Vibra-Whirl has become the oldest continuously run sports surfacing company in the United States. Installing well over 3,500 running tracks in that time and having a Certified Track Builder on staff, Vibra-Whirl is also one of the most experienced and knowledgeable companies in the business.

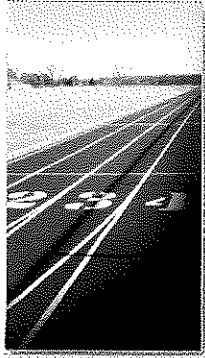
[Our Guarantee](#)

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Vibra-Whirl's main office is located in Panhandle, Texas, with several satellite offices throughout the United States. Offering personnel in each area makes it easier for Vibra-Whirl to handle on-site inspections and face to face meetings with each school. Vibra-Whirl is committed to excellence and strives to continue to be the leader in sports surfacing in the United States.

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Testimonials

Below are a several examples of what our customers think about the work VW Sports has done for them.

♦ *"We used Vibra Whirl to construct our new track. We couldn't be happier with the project. Vibra Whirl representatives were very helpful throughout the process. They gave us a very competitive bid. The work was complete in a timely manner. The job superintendents kept us informed and sought our input from start to finish.*

Vibra Whirl completed the job on time and in budget. We are completely satisfied with the track.

They provided us with an outstanding warranty. When we reported the track painted lines were not bright enough they came back and restriped the whole track. We would be happy to work with them on other projects."

[Larry LaFavers-Superintendent of Leonard ISD](#)

♦ *"Vibra Whirl out of Panhandle, TX was one of the first companies I contacted after we passed our \$2 million bond. We of course had to go out for bids because of the size of the project, but Vibra Whirl came in as the low bidder. They have completed and serviced about 80% of the tracks in the panhandle area of Texas. The company representatives came to our board meeting to discuss specific materials and details of our track project.*

They handled all the dirt work and worked with the architects on the design and elevations. I was really impressed with Koty Kowalewski and his onsite presence throughout the project. We have had a couple of questions about the painted lines and I have either emailed or called and received a quick response from the crew. I was really impressed with the project coming in a little under budget and also they gave us a timeline and finished the project about 2 weeks earlier than estimated.

I would recommend them without hesitation over some of the nationwide companies that we received bids from that were 10-15% more than Vibra Whirl's bid."

[Steve H. James-Superintendent of Higgins ISD](#)

♦ *"Vibra Whirl completely changed the look and feel of our sports complex. They did a state of the art job on our new turf field that really gives it a top notch look and feel. And the resurfacing of our track makes our complex one milof the nicest and best places to compete in the area! The company management was very easy to deal with and the onsite workers were very diligent in getting this project done."*

[Dane Ashley-Athletic Director and Head Football Coach of Panhandle High School](#)

♦ *"Vibra Whirl installed an all weather track at our football complex in McAlester, OK. The track was the last piece in a major reconstruction project at our facility. There are many options when shopping for all weather tracks and artificial turf. Many of the products are very similar. The element that set Vibra Whirl apart from all of the others is the people. I was especially impressed with sales representative George Keen. George worked closely with me throughout*

the entire process and was completely transparent and honest. Their bid was the lowest and best. There were no surprises, and the work was completed on time and under budget. George and other VB personnel followed up and continue to remain in touch making sure we are a satisfied customer. We would definitely use them again and recommend their services without reservation."

Brent Grilliot-McAlester Public Schools

SPIKETOP BASIC

TRACK SURFACE SYSTEM

1.0 GENERAL

- 1.1 **DESCRIPTION** Track surface system shall be a synthetic, homogeneous, resilient material of gradated rubber chips and proprietary rubber binding agents designed as a resilient surfacing for competitive athletic running tracks. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation.
- 1.2 **PRODUCT** Base Mat track surface system shall be **BASIC TRACK SURFACE SYSTEM** as produced by *Vibra-Whirl Sports, Ltd., of Panhandle, Texas*, or approved equal.

2.0 MATERIALS

- 2.1 **BLACK RUBBER GRANULES** Processed EPDM or SBR rubber granules chipped and gradated to 1-3 mm containing less than 1% dust. They shall meet the following standards: Rubber hydrocarbon content - 40%; Carbon black content - 30%; Acetone extract - 15%; Ash content- 8%; Moisture - 1% maximum. Processed rubber granules shall be packed in suitable bags to protect rubber from moisture. Quantity for 13mm mat - 14-16 lb./sq.yd.
- 2.2 **BINDER** A proprietary, elastic polyurethane prepolymer pure MDI based, none to low odor, and ozone resistant capabilities to provide outstanding binding and resilient characteristics. The binding agent must be specially formulated for compatibility with EPDM or SBR rubber granules. Quantity - 3.5 lb./sq.yd.
- 2.3 **LINE PAINT** Lane stripes and event markings will be polyurethane line paint compatible with surface product and approved by manufacturer of track surface.
- 2.4 **SYSTEM INFORMATION**
Color: **Black**
Composition: Porous
Materials: Black SBR or EPDM Rubber Granules mixed with polyurethane MDI prepolymer binder. Total depth - 1/2" (12-13 mm). Contents shall be 80% rubber granules, 20% single component polyurethane binder by weight.

3.0 LEVELING COURSE REQUIREMENTS

- 3.1 **SLOPE** A minimum of 1%, maximum of 2% slope of leveling course as allowed by track construction rules should be maintained in the leveling course for proper drainage of track surface area.
- 3.2 **SURFACE TOLERANCE AND CORRECTION** The leveling course of finish grade hot mixed asphaltic concrete required will have no deviation from the true surface in excess of one eighth (1/8) inch when measured along a 10 foot straight edge in any direction from the measurement. Asphalt should be allowed

to cure for 14 days at ambient temperature of 70 degrees F. to allow evaporation of aromatic oil components. Concrete should be allowed to cure for 28 days before application of surfacing.

4.0 EXECUTION

- 4.1 PRIMER** To assure the bonding of the synthetic surface to the asphalt leveling course, the leveling course should be prepared with a single component high tack polyurethane primer or a two component epoxy primer. Apply at the rate of 0.28 lb./square yard using an airless spray machine. Allow 20-30 minutes for solvent in the tack coat to evaporate.
- 4.2 MIXING** Quantities of materials determined by proven formulas of manufacturer shall be thoroughly mixed in an approved mechanical mixer to produce a homogeneous blend. Components shall be mixed to totally encapsulate the rubber granules in binder to ensure bonding.
- 4.3 PLACEMENT** Surface shall be put in place utilizing a special paver designed for installation of such sport surfaces. To ensure good compaction and bond in the joints, the screed of the machine shall be heated to 160 degrees Fahrenheit. Installation of surfacing shall not be done in temperatures lower than 50 degrees Fahrenheit. As polyurethane prepolymer need humidity to react to an elastic binder; it is essential to have a minimum humidity of 35%. In case of too low percentage of humidity, it is necessary to spray water not later than one hour after application using an extremely fine nozzle to provide a dome of humidity over the area of construction.
- 4.4 CURING** Surface application shall receive adequate curing as determined by manufacturer. This time will normally require two weeks, unless otherwise specified.

5.0 LIMITATIONS

- 5.1 TEMPERATURE** Not to be applied below 50° Fahrenheit.
- 5.2 WEATHER** Not to be applied during adverse weather conditions.
- 5.3 APPLICATION** To be supervised by trained and qualified personnel

6.0 OTHER

- 6.1 WARRANTY** The contractor warrants that the track surface shall be free from defects in workmanship, labor and materials under normal use and service for a period of 60 months. Track striping and markings shall be warranted for a period of 24 months. This warranty does not apply to any damage to the surface which may be caused by improper design or engineering, by inadequate or defective base, or by the inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the owner fails to maintain constant moisture in the surrounding soils on both the inside and the outside of the track's surface.

- 6.2 QUALITY ASSURANCE** Contractor and manufacture qualifications.
- A. The contractor and manufacture must be the same, or contractor must be certified by manufacture to install the product.
 - B. The contractor must have a minimum of 5 years' experience of successfully installing polyurethane track surfacing systems and shall have installed a minimum of 10 complete polyurethane running track surfacing systems
 - C. The contractor must be able to furnish evidence that they have been in business for a period of not less than 3 years, under the present name, and if required, furnish financial statements for each of the past 3 years.
 - D. Contractor will provide engineer with a signed affidavit stating that an asphalt surface test has been completed and the existing asphalt surface is acceptable for installation in regards to slope and planarity.



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USA
Phone: ++1-304-624-7002
Fax: ++1-304-624-7020

Stobielast® S 135.00

General Product Information:

Stobielast® S 135.00 is a solvent-free, moisture-curing, one-component, polyurethane *binder* that is designed for the production of base layers for running tracks, tennis courts and shock pads for turf pitches. As with any product, the use of **Stobielast® S 135.00** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at 68° F:

Density DIN 53217	1.08 g/cm ³
Viscosity DIN 53018/1+2	3500 mPa·s

Cure Profile:

Curing takes place at ambient temperature by reaction with atmospheric moisture. Dry conditions (relative humidity of 30% and under) can make additional water overspray necessary. Higher temperatures and/or moisture will shorten the cure time. Excessively high air and asphalt temperatures will lead to reduced viscosity and should be avoided during installation. The surface can be walked on after 12 - 18 hours at 68°F. The temperature should not fall below 50°F during curing.

Application:

Asphalt bases should be cured, dry and clean prior to priming. Primer must be applied with an airless sprayer no later than 12 hours prior to installation of the base mat. Note that appropriate results depend on the proper design of the track system. For details on application rates for the different surfaces please consult our system specifications.

Precaution:

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

220 kg net drums or 1,000 kg net totes. Other sizes are available upon request.

Storage:

Binder must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened drums or totes should be used quickly.

Notice:

This bulletin is provided for general informational purposes only and should not be construed as advice on specific product usage. The manufacturer makes no warranty of merchantability or of fitness for a particular purpose. The Buyer assumes all liability for incorrect or illegal use of this product.

February 09



SPIKETOP STRUCTURE COAT- BLACK

TRACK SURFACE SYSTEM

PART 1 - GENERAL

1.10 DESCRIPTION: Track surface system shall be a synthetic, homogeneous, resilient material of gradated rubber chips and proprietary rubber binding agents designed as a resilient surfacing for competitive athletic running tracks. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation. **SPIKETOP STRUCTURE COAT SYSTEM - BLACK** as produced by *Vibra-Whirl Sports, LTD., Panhandle, Texas.*

PART 2 - MATERIALS

2.10 STRUCTURE RUBBER GRANULES: Processed rubber granules chipped and gradated to exact specifications 0.5 - 1.5 mm gradation meeting the following standards: EPDM rubber content - 30%; pigment content -10%; Density - .08 (1.6); elongation at break -350%; tensile strength - 200 psi minimum.

2.20 STRUCTURE COAT BINDER: A proprietary elastic, two-component pigmented synthetic polyurethane with unusually high ultraviolet resistance to minimize fading.

2.30 LINE PAINT: Lane stripes and event markings will be polyurethane line paint approved by manufacturer of track surfacing. Under no conditions will other type paints be substituted.

2.40 SYSTEM INFORMATION:

Color: **Black**

Composition: Porous

Materials: Structure spray coat of pigmented 2 component MDI polyurethane and high resistant 0.5-1.5 mm EPDM rubber granules. The spray coating shall be applied to a total of approximately 3.6 lbs./square yard in two applications.

PART 3 - EXECUTION

3.10 PRIMER: To assure the bonding of the structure spray to the existing synthetic surface, the surface should be prepared with a single component high tack polyurethane primer or a two component epoxy primer. Apply at the rate of 0.28 lbs. / square yard using an airless spray machine. Allow 20-30 minutes for solvent in the tack coat to evaporate.

3.20 MIXING: Quantities of materials determined by proven formulas of manufacturer shall be thoroughly mixed in an approved mechanical mixer to produce a homogeneous blend. Components shall be mixed to totally encapsulate the rubber granules in binder to ensure bonding.

3.30 PLACEMENT: Installation of surfacing shall not be done in temperatures lower than 50 degrees Fahrenheit. As polyurethane prepolymer need humidity to react to an elastic binder; it is essential to have a minimum humidity of 35%. In case of too low percentage of humidity, it is necessary to spray water not later than one hour after application using an extremely fine nozzle to provide a dome of humidity over the area of construction.

3.40 STRUCTURE COAT: The surface coat will be a structural spray coating made from a pigmented two component polyurethane mixed with EPDM granules applied by a spray coating machine capable of handling the dense mixture.

3.50 CURING: Surface application shall receive adequate curing as determined by manufacturer. This time will normally require two weeks, unless otherwise specified.

PART 4 - LIMITATIONS

4.10 TEMPERATURE: Not to be applied below 50 degrees Fahrenheit.

4.20 WEATHER: Not to be applied during adverse weather conditions.

4.30 APPLICATION: To be supervised by trained and qualified personnel.

PART 5 - WARRANTY: The contractor warrants that the track surface shall be free from defects in workmanship, labor and materials under normal use and service for a period of 36 months. Track striping and markings shall be warranted for a period of 24 months. This warranty does not apply to any damage to the surface which may be caused by improper design or engineering, by inadequate or defective base, or by the inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the owner fails to maintain constant moisture in the surrounding soils on both the inside and the outside of the track's surface.

SPIKETOP STRUCTURE COAT – RED

PART 1 - GENERAL

1.10 DESCRIPTION: Track surface system shall be a synthetic, homogeneous, resilient material of gradated rubber chips and proprietary rubber binding agents designed as a resilient surfacing for competitive athletic running tracks. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation. **SPIKETOP STRUCTURE COAT SYSTEM – RED** as produced by *Vibra-Whirl Sports, Ltd., Panhandle, Texas.*

PART 2 - MATERIALS

2.10 STRUCTURE RUBBER GRANULES: Processed rubber granules chipped and gradated to exact specifications 0.5 - 1.5 mm gradation meeting the following standards: EPDM rubber content - 30%; pigment content -10%; Density - .08 (1.6); elongation at break -350%; tensile strength - 200 psi minimum.

2.20 STRUCTURE COAT BINDER: A proprietary elastic, two-component pigmented synthetic polyurethane with unusually high ultraviolet resistance to minimize fading.

2.30 LINE PAINT: Lane stripes and event markings will be only two component polyurethane line paint approved by manufacturer of track surfacing. Under no conditions will other type paints be substituted.

2.40 SYSTEM INFORMATION:

Color: Red

Composition: Porous

Materials: Structure spray coat of pigmented 2 component MDI polyurethane and high resistant 0.5-1.5 mm EPDM rubber granules. The spray coating shall be applied to a total of approximately 3.6 lbs/square yard in two applications.

PART 3 - EXECUTION

3.10 PRIMER: To assure the bonding of the structure spray to the existing synthetic surface, the surface should be prepared with a single component high tack polyurethane primer or a two component epoxy primer. Apply at the rate of 0.28 lbs / square yard using an airless spray machine. Allow 20-30 minutes for solvent in the tack coat to evaporate.

3.20 MIXING: Quantities of materials determined by proven formulas of manufacturer shall be thoroughly mixed in an approved mechanical mixer to produce a homogeneous blend. Components shall be mixed to totally encapsulate the rubber granules in binder to ensure bonding.

3.30 PLACEMENT: Installation of surfacing shall not be done in temperatures lower than 500 Fahrenheit. As polyurethane prepolymer need humidity to react to an elastic binder; it is essential to have a minimum humidity of 35%. In case of too low percentage of humidity, it is necessary to spray water not later than one hour after application using an extremely fine nozzle to provide a dome of humidity over the area of construction.

- 3.40 STRUCTURE COAT:** The surface coat will be a structural spray coating made from a pigmented two component polyurethane mixed with EPDM granules applied by a spray coating machine capable of handling the dense mixture.
- 3.50 CURING:** Surface application shall receive adequate curing as determined by manufacturer. This time will normally require two weeks, unless otherwise specified.

PART 4 - LIMITATIONS

- 4.10 TEMPERATURE:** Not to be applied below 50 degrees Fahrenheit.
- 4.20 WEATHER:** Not to be applied during adverse weather conditions.
- 4.30 APPLICATION:** To be supervised by trained and qualified personnel.

PART 5 - WARRANTY: The contractor warrants that the track surface shall be free from defects in workmanship, labor and materials under normal use and service for a period of 36 months. Track striping and markings shall be warranted for a period of 24 months. This warranty does not apply to any damage to the surface which may be caused by improper design or engineering, by inadequate or defective base, or by the inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the owner fails to maintain constant moisture in the surrounding soils on both the inside and the outside of the track's surface.

SPIKETOP UNIVERSAL – BLACK

TRACK SURFACE SYSTEM

1.0 GENERAL

- 1.1 DESCRIPTION:** Track surface system shall be a synthetic, homogeneous, resilient material of gradated rubber chips and proprietary rubber binding agents designed as a resilient surfacing for competitive athletic running tracks. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation.
- 1.2 PRODUCT:** Polyurethane base mat and structural spray track surface system shall be **UNIVERSAL TRACK SURFACE SYSTEM (Black)** as produced by *Vibra-Whirl Sports, Ltd., Panhandle, Texas* or approved equal.

2.0 MATERIALS

- 2.1 BASE RUBBER GRANULES:** Processed SBR or EPDM rubber granules chipped and gradated to 1- 3 mm containing less than 1% dust. They shall meet the following standards: Rubber hydrocarbon content - 40%; Carbon black content - 30%; Acetone extract-15%; Ash content - 8%; Moisture - 1% maximum.
- 2.2 STRUCTURE RUBBER GRANULES:** Processed rubber granules chipped and gradated to exact specifications 0.5 - 1.5 mm gradation meeting the following standards: EPDM rubber content - 20%; pigment content - 10%; Density - .08 (1.6); elongation at break -350%; tensile strength - 200 psi minimum.
- 2.3 BINDER:** A proprietary, elastic polyurethane prepolymer pure MDI based, none to low odor, and ozone resistant capabilities to provide outstanding binding and resilient characteristics. The binding agent must be specially formulated for compatibility with EPDM rubber granules. It shall not contain TDI. Color - clear/amber; density 1.12+/- 0.02; viscosity (Brookfield @ 20 rpm/77F.) - 2000+/- 500; solids by weight - 100%.
- 2.4 STRUCTURE COAT BINDER:** A proprietary elastic, single-component pigmented synthetic polyurethane with unusually high ultraviolet resistance to minimize fading. Color - as selected from manufacturer's color range; density 1.37 +/- 0.05; viscosity (cps Brookfield @ 20 rpm/77 F.) 1800 +/- 600; solids by weight - 100%.
- 2.5 LINE PAINT:** Lane stripes and event markings will be polyurethane line paint approved by manufacturer of track surfacing. Under no conditions will other type paints be substituted.
- 2.6 SYSTEM INFORMATION:**
Color: **Black**
Composition: **Porous**
Materials: 10mm BASIC (black mat) contents shall be 80% SBR rubber granules, 20% single component polyurethane by weight plus structure spray coat of pigmented single component MDI polyurethane and high resistant 0.5-1.5 mm EPDM rubber granules. The spray coating shall be applied to a total of approximately 3.6-lbs./square yard in two applications. Total depth of surface: 12-13 mm (1/2")

3.0 LEVELING COURSE REQUIREMENTS

- 3.1 SLOPE:** A minimum of 1%, maximum of 2% slope of leveling course as allowed by track construction rules should be maintained in the leveling course for proper drainage of track surface area.
- 3.2 SURFACE TOLERANCE AND CORRECTION:** The leveling course of finish grade hot mixed asphaltic concrete, or concrete, required will have no deviation from the true surface in excess of one eighth (1/8) inch when measured along a 10 foot straight edge in any direction from the measurement. Asphalt should be allowed to cure for 14 days ambient temperature of 70 degrees F. to allow evaporation of aromatic oil components. Concrete should be allowed to cure for 28 days before application of surfacing.

4.0 EXECUTION

- 4.1 PRIMER:** To assure the bonding of the synthetic surface to the asphalt leveling course, the leveling course should be prepared with a single component high tack polyurethane primer or a two component epoxy primer. Apply at the rate of 0.28 lbs./square yard using an airless spray machine. Allow 20-30 minutes for solvent in the tack coat to evaporate.
- 4.2 MIXING:** Quantities of materials determined by proven formulas of manufacturer shall be thoroughly mixed in an approved mechanical mixer to produce a homogeneous blend. Components shall be mixed to totally encapsulate the rubber granules in binder to ensure bonding.
- 4.3 PLACEMENT:** Surface shall be put in place utilizing a special paver designed for installation of such sport surfaces. To ensure good compaction and bond in the joints, the screed of the machine shall be heated to 160 degrees Fahrenheit. Installation of surfacing shall not be done in temperatures lower than 50 degrees Fahrenheit. As polyurethane prepolymer need humidity to react to an elastic binder; it is essential to have a minimum humidity of 35%. In case of too low percentage of humidity, it is necessary to spray water not later than one hour after application using an extremely fine nozzle to provide a dome of humidity over the area of construction.
- 4.4 STRUCTURE COAT:** The surface coat will be a structural spray coating made from pigmented single component polyurethane mixed with EPDM granules applied by a spray coating machine capable of handling the dense mixture. The material will be sprayed in two uniform coats applied in opposite directions to achieve maximum uniformity of coverage and surface texture at a rate calculated to achieve specified final coating weight. Mixture at application rate will be a 60% polyurethane, 40% EPDM rubber granule by weight. Thickness - approximately 3mm. Application rate - 3.6-lb./sq. yd.
- 4.5 CURING:** Surface application shall receive adequate curing as determined by manufacturer. This will normally require two weeks, unless otherwise specified.

5.0 LIMITATIONS

- 5.1 TEMPERATURE:** Not to be applied below 50 degrees Fahrenheit.

5.2 WEATHER: Not to be applied during adverse weather conditions.

5.3 APPLICATION: To be supervised by trained and qualified personnel.

6.0 OTHER

6.1 WARRANTY: The contractor warrants that the track surface shall be free from defects in workmanship, labor and materials under normal use and service for a period of 60 months. Track striping and markings shall be warranted for a period of 24 months. This warranty does not apply to any damage to the surface which may be caused by improper design or engineering, by inadequate or defective base, or by the inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the owner fails to maintain constant moisture in the surrounding soils on both the inside and the outside of the track's surface.

6.2 QUALITY ASSURANCE: Contractor and manufacture qualifications.

A. The contractor and manufacture must be the same, or contractor must be certified by manufacture to install the product.

B. The contractor must have a minimum of 5 years' experience of successfully installing polyurethane track surfacing systems and shall have installed a minimum of 10 complete polyurethane running track surfacing systems

C. The contractor must be able to furnish evidence that they have been in business for a period of not less than 3 years, under the present name, and if required, furnish financial statements for each of the past 3 years.

D. Contractor will provide engineer with a signed affidavit stating that an asphalt surface test has been completed and the existing asphalt surface is acceptable for installation in regards to slope and planarity.



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Stobielast® S 127.[]**

[**] Indicates Color Code

General Product Information:

Stobielast® S 127.[]** is a moisture-curing, one-component, polyurethane *spray coating* that is designed for use on elastic base layers for the "on site" production of EPDM rubber textured, non-slip surfaces for running tracks, multipurpose playing fields and many other sporting applications. These surfaces are spike-proof and abrasion resistant. As with any product, the use of **Stobielast® S 127.[**]** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at 68 °F:

Density [g/cm ³] DIN 53217/2	1.10
Viscosity [mPa·s] DIN 53018/1+2	2400
Flash Point [°C] DIN 51758	Above 67 °C (153°F)

Cure Profile:

Curing takes place at ambient temperature by reaction with atmospheric moisture. Higher temperatures and/or moisture will shorten the cure time as well as the use of accelerators. Excessively high air and base mat temperatures will lead to reduced viscosity and should be avoided during installation. Extremely dry conditions (30% relative humidity or less) during installation can require the use of additional catalyst and EPDM to adjust the reactivity and viscosity of the product. The surface can be walked on after 9-12 hours at 68°F. The temperature should not fall below 50°F during curing.

Application Guidelines:

The following ratios can be used:

Mixture	Parts by weight
Binder Stobielast® S 127.[**]	60
EPDM rubber granules (0.5 - 1.5 mm)	40

Mix the binder well before use to ensure an even color. Binder and rubber granules must be thoroughly mixed together until all the EPDM granules are coated. The mixing time with a standard mixer should last 3 to 5 minutes. The correct spray viscosity depends on the spray equipment. Additional solvent (Ethylacetate 98/100, light aromatic solvents) can be added to reduce the viscosity of the mix. For a finer surface or higher viscosity, EPDM dust can be added. Depending on the amount of dust added, the total rubber quantity may have to be reduced due to the greater binder absorption of the dust. The rubber granules must be dry and inspected for correct particle size before mixing with binder. Ensure that the rubber granules are fully compatible with the binder. Note that appropriate results depend on the proper design of the track system. For details on application rates for the different surfaces please consult our system specifications.

Material Consumption:

Two "cross hatch" layers of 0.8 - 1.0 kg/m² (mixture) each, depending on the desired thickness and porosity of the base layer.

Precautions:

Stobielast® S 127.[]** is an isocyanate prepolymer containing small amounts of solvent. Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

220 kg net drums or 1,000 kg net totes. Other sizes are available upon request.

Storage:

The product must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened drums or totes should be used quickly.

Notice:

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February 09



STOCKMEIER URETHANES

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Stobielast® S 135.00

General Product Information:

Stobielast® S 135.00 is a solvent-free, moisture-curing, one-component, polyurethane *binder* that is designed for the production of base layers for running tracks, tennis courts and shock pads for turf pitches. As with any product, the use of **Stobielast® S 135.00** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at 68° F:

Density DIN 53217	1.08 g/cm ³
Viscosity DIN 53018/1+2	3500 mPa·s

Cure Profile:

Curing takes place at ambient temperature by reaction with atmospheric moisture. Dry conditions (relative humidity of 30% and under) can make additional water overspray necessary. Higher temperatures and/or moisture will shorten the cure time. Excessively high air and asphalt temperatures will lead to reduced viscosity and should be avoided during installation. The surface can be walked on after 12 - 18 hours at 68°F. The temperature should not fall below 50°F during curing.

Application:

Asphalt bases should be cured, dry and clean prior to priming. Primer must be applied with an airless sprayer no later than 12 hours prior to installation of the base mat. Note that appropriate results depend on the proper design of the track system. For details on application rates for the different surfaces please consult our system specifications.

Precaution:

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

220 kg net drums or 1,000 kg net totes. Other sizes are available upon request.

Storage:

Binder must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened drums or totes should be used quickly.

Notice:

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February 09



SPIKETOP UNIVERSAL - RED

TRACK SURFACE SYSTEM

1.0 GENERAL

- 1.1 DESCRIPTION:** Track surface system shall be a synthetic, homogeneous, resilient material of gradated rubber chips and proprietary rubber binding agents designed as a resilient surfacing for competitive athletic running tracks. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation.
- 1.2 PRODUCT:** Polyurethane base mat and structural spray track surface system shall be **UNIVERSAL TRACK SURFACE SYSTEM (Red)** as produced by *Vibra-Whirl Sports, Ltd., Panhandle, Texas* or approved equal.

2.0 MATERIALS

- 2.1 BASE RUBBER GRANULES:** Processed SBR or EPDM rubber granules chipped and gradated to 1- 3 mm containing less than 1% dust. They shall meet the following standards: Rubber hydrocarbon content - 40%; Carbon black content - 30%; Acetone extract-15%; Ash content - 8%; Moisture - 1% maximum.
- 2.2 STRUCTURE RUBBER GRANULES:** Processed rubber granules chipped and gradated to exact specifications 0.5 - 1.5 mm gradation meeting the following standards: EPDM rubber content - 20%; pigment content - 10%; Density - .08 (1.6); elongation at break -350%; tensile strength - 200 psi minimum.
- 2.3 BINDER:** A proprietary, elastic polyurethane prepolymer pure MDI based, none to low odor, and ozone resistant capabilities to provide outstanding binding and resilient characteristics. The binding agent must be specially formulated for compatibility with EPDM rubber granules. It shall not contain TDI.
- 2.4 STRUCTURE COAT BINDER:** A proprietary elastic, single-component pigmented synthetic polyurethane with unusually high ultraviolet resistance to minimize fading.
- 2.5 LINE PAINT:** Lane stripes and event markings will be polyurethane line paint approved by manufacturer of track surfacing. Under no conditions will other type paints be substituted.
- 2.6 SYSTEM INFORMATION:**
Color: **Red**
Composition: **Porous**
Materials: 10mm BASIC (black mat) contents shall be 80% SBR rubber granules, 20% single component polyurethane by weight plus structure spray coat of pigmented single component MDI polyurethane and high resistant 0.5-1.5 mm EPDM rubber granules. The spray coating shall be applied to a total of approximately 3.6-lbs./square yard in two applications. Total depth of surface: 12-13 mm (1/2").

3.0 LEVELING COURSE REQUIREMENTS

- 3.1 SLOPE:** A minimum of 1%, maximum of 2% slope of leveling course as allowed by track construction rules should be maintained in the leveling course for proper drainage of track surface area.
- 3.2 SURFACE TOLERANCE AND CORRECTION:** The leveling course of finish grade hot mixed asphaltic concrete, or concrete, required will have no deviation from the true surface in excess of one eighth (1/8) inch when measured along a 10 foot straight edge in any direction from the measurement. Asphalt should be allowed to cure for 14 days ambient temperature of 70 degrees F. to allow evaporation of aromatic oil components. Concrete should be allowed to cure for 28 days before application of surfacing.

4.0 EXECUTION

- 4.1 PRIMER:** To assure the bonding of the synthetic surface to the asphalt leveling course, the leveling course should be prepared with a single component high tack polyurethane primer or a two component epoxy primer. Apply at the rate of 0.28 lbs./square yard using an airless spray machine. Allow 20-30 minutes for solvent in the tack coat to evaporate.
- 4.2 MIXING:** Quantities of materials determined by proven formulas of manufacturer shall be thoroughly mixed in an approved mechanical mixer to produce a homogeneous blend. Components shall be mixed to totally encapsulate the rubber granules in binder to ensure bonding.
- 4.3 PLACEMENT:** Surface shall be put in place utilizing a special paver designed for installation of such sport surfaces. To ensure good compaction and bond in the joints, the screed of the machine shall be heated to 160 degrees Fahrenheit. Installation of surfacing shall not be done in temperatures lower than 50 degrees Fahrenheit. As polyurethane prepolymer need humidity to react to an elastic binder; it is essential to have a minimum humidity of 35%. In case of too low percentage of humidity, it is necessary to spray water not later than one hour after application using an extremely fine nozzle to provide a dome of humidity over the area of construction.
- 4.4 STRUCTURE COAT:** The surface coat will be a structural spray coating made from pigmented single component polyurethane mixed with EPDM granules applied by a spray coating machine capable of handling the dense mixture.
- 4.5 CURING:** Surface application shall receive adequate curing as determined by manufacturer. This will normally require two weeks, unless otherwise specified.

5.0 LIMITATIONS

- 5.1 TEMPERATURE:** Not to be applied below 50 degrees Fahrenheit.
- 5.2 WEATHER:** Not to be applied during adverse weather conditions.
- 5.3 APPLICATION:** To be supervised by trained and qualified personnel.

6.0 OTHER

- 6.1 WARRANTY:** The contractor warrants that the track surface shall be free from defects in workmanship, labor and materials under normal use and service for a period of 60 months. Track striping and markings shall be warranted for a period of 24 months. This warranty does not apply to any damage to the surface which may be caused by improper design or engineering, by inadequate or defective base, or by the inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the owner fails to maintain constant moisture in the surrounding soils on both the inside and the outside of the track's surface.
- 6.2 QUALITY ASSURANCE:** Contractor and manufacture qualifications.
- A. The contractor and manufacture must be the same, or contractor must be certified by manufacture to install the product.
 - B. The contractor must have a minimum of 5 years' experience of successfully installing polyurethane track surfacing systems and shall have installed a minimum of 10 complete polyurethane running track surfacing systems
 - C. The contractor must be able to furnish evidence that they have been in business for a period of not less than 3 years, under the present name, and if required, furnish financial statements for each of the past 3 years.
 - D. Contractor will provide engineer with a signed affidavit stating that an asphalt surface test has been completed and the existing asphalt surface is acceptable for installation in regards to slope and planarity.



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Stobielast® S 127.[]**

[**] Indicates Color Code

General Product Information:

Stobielast® S 127.[]** is a moisture-curing, one-component, polyurethane *spray coating* that is designed for use on elastic base layers for the "on site" production of EPDM rubber textured, non-slip surfaces for running tracks, multipurpose playing fields and many other sporting applications. These surfaces are spike-proof and abrasion resistant. As with any product, the use of **Stobielast® S 127.[**]** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at 68 °F:

Density [g/cm ³] DIN 53217/2	1.10
Viscosity [mPa*s] DIN 53018/1+2	2400
Flash Point [°C] DIN 51758	Above 67 °C (153°F)

Cure Profile:

Curing takes place at ambient temperature by reaction with atmospheric moisture. Higher temperatures and/or moisture will shorten the cure time as well as the use of accelerators. Excessively high air and base mat temperatures will lead to reduced viscosity and should be avoided during installation. Extremely dry conditions (30% relative humidity or less) during installation can require the use of additional catalyst and EPDM to adjust the reactivity and viscosity of the product. The surface can be walked on after 9-12 hours at 68°F. The temperature should not fall below 50°F during curing.

Application Guidelines:

The following ratios can be used:

Mixture	Parts by weight
Binder Stobielast® S 127.[**]	60
EPDM rubber granules (0.5 - 1.5 mm)	40

Mix the binder well before use to ensure an even color. Binder and rubber granules must be thoroughly mixed together until all the EPDM granules are coated. The mixing time with a standard mixer should last 3 to 5 minutes. The correct spray viscosity depends on the spray equipment. Additional solvent (Ethylacetate 98/100, light aromatic solvents) can be added to reduce the viscosity of the mix. For a finer surface or higher viscosity, EPDM dust can be added. Depending on the amount of dust added, the total rubber quantity may have to be reduced due to the greater binder absorption of the dust. The rubber granules must be dry and inspected for correct particle size before mixing with binder. Ensure that the rubber granules are fully compatible with the binder. Note that appropriate results depend on the proper design of the track system. For details on application rates for the different surfaces please consult our system specifications.

Material Consumption:

Two "cross hatch" layers of 0.8 - 1.0 kg/m² (mixture) each, depending on the desired thickness and porosity of the base layer.

Precautions:

Stobielast® S 127.[]** is an isocyanate prepolymer containing small amounts of solvent. Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

220 kg net drums or 1,000 kg net totes. Other sizes are available upon request.

Storage:

The product must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life.



UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened drums or totes should be used quickly.

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Stobielast® S 135.00

General Product Information:

Stobielast® S 135.00 is a solvent-free, moisture-curing, one-component, polyurethane *binder* that is designed for the production of base layers for running tracks, tennis courts and shock pads for turf pitches. As with any product, the use of **Stobielast® S 135.00** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at 68° F:

Density DIN 53217	1.08 g/cm ³
Viscosity DIN 53018/1+2	3500 mPa·s

Cure Profile:

Curing takes place at ambient temperature by reaction with atmospheric moisture. Dry conditions (relative humidity of 30% and under) can make additional water overspray necessary. Higher temperatures and/or moisture will shorten the cure time. Excessively high air and asphalt temperatures will lead to reduced viscosity and should be avoided during installation. The surface can be walked on after 12 - 18 hours at 68°F. The temperature should not fall below 50°F during curing.

Application:

Asphalt bases should be cured, dry and clean prior to priming. Primer must be applied with an airless sprayer no later than 12 hours prior to installation of the base mat. Note that appropriate results depend on the proper design of the track system. For details on application rates for the different surfaces please consult our system specifications.

Precaution:

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

220 kg net drums or 1,000 kg net totes. Other sizes are available upon request.

Storage:

Binder must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened drums or totes should be used quickly.

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SPIKETOP ME II - RED

TRACK SURFACE SYSTEM

1.0 GENERAL

- 1.1 DESCRIPTION:** Track surface system shall be a synthetic, homogeneous, resilient material of gradated rubber chips and proprietary rubber binding agents designed as a resilient surfacing for competitive athletic running tracks. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation.
- 1.2 PRODUCT:** Polyurethane base mat, impermeable sealer and structural spray track surface system shall be **SPIKETOP ME II TRACK SURFACE SYSTEM (Red)** as produced by *Vibra-Whirl Sports, LTD., Panhandle, Texas.*

2.0 MATERIALS

- 2.1 BASE RUBBER GRANULES:** Processed SBR or EPDM rubber granules chipped and gradated to 1-3 mm containing less than 1% dust. They shall meet the following standards: Rubber hydrocarbon content - 40%; Carbon black content - 30%; Acetone extract-15%; Ash content - 8%; Moisture - 1% maximum.
- 2.2 STRUCTURE RUBBER GRANULES:** Processed rubber granules chipped and gradated to exact specifications 0.5 - 1.5 mm gradation meeting the following standards: EPDM rubber content - 30%; pigment content - 10%; Density - .08 (1.6); elongation at break -350%; tensile strength - 200 psi minimum.
- 2.3 BINDER:** A proprietary, elastic polyurethane prepolymer pure MDI based, none to low odor, and ozone resistant capabilities to provide outstanding binding and resilient characteristics. The binding agent must be specially formulated for compatibility with EPDM or SBR rubber granules.
- 2.4 SEAL COAT:** A high viscosity two component seal coat shall be applied to the base mat by squeegee prior to application of the structure coat.
- 2.5 STRUCTURE COAT BINDER:** A proprietary elastic, single-component pigmented synthetic polyurethane with unusually high ultraviolet resistance to minimize fading.
- 2.6 LINE PAINT:** Lane stripes and event markings will be polyurethane line paint approved by manufacturer of track surfacing. Under no conditions will other type paints be substituted.
- 2.7 SYSTEM INFORMATION:**
Color: **Red**
Composition: **Non-porous**
Materials: 10mm BASIC (black mat) contents shall be 80% SBR rubber granules, 20% single component polyurethane by weight plus a two component high viscosity seal coat applied by squeegee. The next application will be structure spray coat of pigmented single component MDI polyurethane and high resistant 0.5-1.5 and 1-3mm EPDM rubber granules. The spray coating shall be applied to a total of approximately 3 lbs. /square yard in two applications. Total depth of surface 12-13 mm (1/2").

3.0 LEVELING COURSE REQUIREMENTS

- 3.1 SLOPE:** A minimum of 1%, maximum of 2% slope of leveling course as allowed by track construction rules should be maintained in the leveling course for proper drainage of track surface area
- 3.2 SURFACE TOLERANCE AND CORRECTION:** The leveling course of finish grade hot mixed asphaltic concrete, or concrete, required will have no deviation from the true surface in excess of one eighth (1/8) inch when measured along a 10 foot straight edge in any direction from the measurement. Asphalt should be allowed to cure for 14 days at ambient temperature of 70 degrees F. to allow evaporation of aromatic oil components. Concrete should be allowed to cure for 28 days before application of surfacing.

4.0 EXECUTION

- 4.1 PRIMER:** To assure the bonding of the synthetic surface to the asphalt leveling course, the leveling course should be prepared with a single component high tack polyurethane primer or a two component epoxy primer. Apply at the rate of 0.28 lbs./square yard using an airless spray machine. Allow 20-30 minutes for solvent in the tack coat to evaporate.
- 4.2 MIXING:** Quantities of materials determined by proven formulas of manufacturer shall be thoroughly mixed in an approved mechanical mixer to produce a homogeneous blend. Components shall be mixed to totally encapsulate the rubber granules in binder to ensure bonding.
- 4.3 REPLACEMENT:** Surface shall be put in place utilizing a special paver designed for installation of such sport surfaces. To ensure good compaction and bond in the joints, the screed of the machine shall be heated to 160 degrees Fahrenheit. Installation of surfacing shall not be done in temperatures lower than 50 degrees Fahrenheit. As polyurethane prepolymer need humidity to react to an elastic binder; it is essential to have a minimum humidity of 35%. In case of too low percentage of humidity, it is necessary to spray water not later than one hour after application using an extremely fine nozzle to provide a dome of humidity over the area of construction.
- 4.4 SEAL COAT:** The two component seal coat will be mixed on site and applied by squeegee to coat entire surface at a rate of 2.5 to 3.5 lbs. per square yard. This application shall make the base mat impermeable.
- 4.5 STRUCTURE COAT:** The surface coat will be a structural spray coating made from pigmented single component polyurethane mixed with EPDM granules applied by a spray coating machine capable of handling the dense mixture.
- 4.6 CURING:** Surface application shall receive adequate curing as determined by manufacturer. This will normally require two weeks, unless otherwise specified.

5.0 LIMITATIONS

- 5.1 TEMPERATURE:** Not to be applied below 50 degrees Fahrenheit.
- 5.2 WEATHER:** Not to be applied during adverse weather conditions.
- 5.3 APPLICATION:** To be supervised by trained and qualified personnel.

6.0 OTHER

6.1 WARRANTY: The contractor warrants that the track surface shall be free from defects in workmanship, labor and materials under normal use and service for a period of 60 months. Track striping and markings shall be warranted for a period of 24 months. This warranty does not apply to any damage to the surface which may be caused by improper design or engineering, by inadequate or defective base, or by the inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the owner fails to maintain constant moisture in the surrounding soils on both the inside and the outside of the track's surface.

6.2 QUALITY ASSURANCE: Contractor and manufacture qualifications.

A. The contractor and manufacture must be the same, or contractor must be certified by manufacture to install the product.

B. The contractor must have a minimum of 5 years' experience of successfully installing polyurethane track surfacing systems and shall have installed a minimum of 10 complete polyurethane running track surfacing systems

C. The contractor must be able to furnish evidence that they have been in business for a period of not less than 3 years, under the present name, and if required, furnish financial statements for each of the past 3 years.

D. Contractor will provide engineer with a signed affidavit stating that an asphalt surface test has been completed and the existing asphalt surface is acceptable for installation in regards to slope and planarity.



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Stobielast® S 127.[]**

[**] Indicates Color Code

General Product Information:

Stobielast® S 127.[]** is a moisture-curing, one-component, polyurethane *spray coating* that is designed for use on elastic base layers for the "on site" production of EPDM rubber textured, non-slip surfaces for running tracks, multipurpose playing fields and many other sporting applications. These surfaces are spike-proof and abrasion resistant. As with any product, the use of **Stobielast® S 127.[**]** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at 68 °F:

Density [g/cm ³] DIN 53217/2	1.10
Viscosity [mPa*s] DIN 53018/1+2	2400
Flash Point [°C] DIN 51758	Above 67 °C (153°F)

Cure Profile:

Curing takes place at ambient temperature by reaction with atmospheric moisture. Higher temperatures and/or moisture will shorten the cure time as well as the use of accelerators. Excessively high air and base mat temperatures will lead to reduced viscosity and should be avoided during installation. Extremely dry conditions (30% relative humidity or less) during installation can require the use of additional catalyst and EPDM to adjust the reactivity and viscosity of the product. The surface can be walked on after 9-12 hours at 68°F. The temperature should not fall below 50°F during curing.

Application Guidelines:

The following ratios can be used:

Mixture	Parts by weight
Binder Stobie[®]last® S 127.[**]	60
EPDM rubber granules (0.5 - 1.5 mm)	40

Mix the binder well before use to ensure an even color. Binder and rubber granules must be thoroughly mixed together until all the EPDM granules are coated. The mixing time with a standard mixer should last 3 to 5 minutes. The correct spray viscosity depends on the spray equipment. Additional solvent (Ethylacetate 98/100, light aromatic solvents) can be added to reduce the viscosity of the mix. For a finer surface or higher viscosity, EPDM dust can be added. Depending on the amount of dust added, the total rubber quantity may have to be reduced due to the greater binder absorption of the dust. The rubber granules must be dry and inspected for correct particle size before mixing with binder. Ensure that the rubber granules are fully compatible with the binder. Note that appropriate results depend on the proper design of the track system. For details on application rates for the different surfaces please consult our system specifications.

Material Consumption:

Two "cross hatch" layers of 0.8 - 1.0 kg/m² (mixture) each, depending on the desired thickness and porosity of the base layer.

Precautions:

Stobie[®]last® S 127.[]** is an isocyanate prepolymer containing small amounts of solvent. Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

220 kg net drums or 1,000 kg net totes. Other sizes are available upon request.

Storage:

The product must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened drums or totes should be used quickly.

Notice:

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Stobielast® S 128.22

General Product Information:

Stobielast® S 128.22 is a solvent-free, elastic and thixotropic, two-component, polyurethane *pore sealing compound* that is designed for sealing the pores of rubber base layers during the construction of synthetic sport and playing surfaces. As with any product, the use of **Stobielast® S 128.22** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at (68°F):

	Resin	Hardener	Mixture
Density [g/cm³] DIN 53217/2	1.14	1.18	1.15
Viscosity [mPa·s] DIN 53018/1+2	thixotropic	250	thixotropic
Mixing ratio by weight	100	25	

Color:

Red. Other colors are available upon request.

Potlife:

Approximately 50 minutes at 68°F. The pot life can be shortened by raising the temperature, increasing the mix volume or adding accelerator.

Cure Profile:

The surface can be walked on after 18 - 24 hours at 68°F. Freshly installed areas should not be exposed to rain or dew for at least 6-8 hours. Full curing is achieved after 4 - 7 days. Higher temperatures or addition of accelerator will shorten the cure time. The curing profile will be longer at lower temperatures. The air and base mat temperature shall not fall below 50°F during curing. Excessively high air and base mat temperatures will lead to reduced viscosity and should be avoided during installation. The temperature should not fall below 50°F during curing.

Typical Properties of the Cured Material:

Shore hardness (DIN 53505)	65 A
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Processing and Application:

The surface to which the product is to be applied must be dry and free from dust, oil and grease. The hardener must be stirred into the resin component very carefully according to the indicated mixing ratio. The pore sealer will be applied directly on the rubber mat with a flat steel or rubber squeegee. Depending on the type and the quality of the rubber surface, one or two passes will be required.

Material Consumption:

1.0 – 2.5 lb/yd². Exact quantity depends on type and porosity of the surface.

Precautions:

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

Working kits available (44 lb / A + 11lb / B).

Storage:

The resin and hardener must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a long period of time can shorten the shelf life. After a long storage period, the resin should be stirred well before use.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened packages should be used quickly.

Notice:

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February 09



**STOCKMEIER
URETHANES**

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Stobielast® S 135.00

General Product Information:

Stobielast® S 135.00 is a solvent-free, moisture-curing, one-component, polyurethane *binder* that is designed for the production of base layers for running tracks, tennis courts and shock pads for turf pitches. As with any product, the use of **Stobielast® S 135.00** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at 68° F:

Density DIN 53217	1.08 g/cm ³
Viscosity DIN 53018/1+2	3500 mPa·s

Cure Profile:

Curing takes place at ambient temperature by reaction with atmospheric moisture. Dry conditions (relative humidity of 30% and under) can make additional water overspray necessary. Higher temperatures and/or moisture will shorten the cure time. Excessively high air and asphalt temperatures will lead to reduced viscosity and should be avoided during installation. The surface can be walked on after 12 - 18 hours at 68°F. The temperature should not fall below 50°F during curing.

Application:

Asphalt bases should be cured, dry and clean prior to priming. Primer must be applied with an airless sprayer no later than 12 hours prior to installation of the base mat. Note that appropriate results depend on the proper design of the track system. For details on application rates for the different surfaces please consult our system specifications.

Precaution:

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

220 kg net drums or 1,000 kg net totes. Other sizes are available upon request.

Storage:

Binder must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened drums or totes should be used quickly.

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February 09

SPIKETOP SUPER S - RED

TRACK SURFACE SYSTEM

PART 1 – GENERAL

1.10 DESCRIPTION: Track surface system shall be a synthetic, homogeneous, resilient material of gradated rubber chips and proprietary rubber binding agents designed as a resilient surfacing for competitive athletic running tracks. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation.

1.11 PRODUCT: Polyurethane “sandwich” system consisting of black mat sealed and finished with a two component wearing course and cast in EPDM rubber granules shall be **SUPER S TRACK SURFACE SYSTEM (Red)** as produced by *Vibra-Whirl Sports, Ltd., Panhandle, Texas* or approved equal.

PART 2 – MATERIALS

2.10 BASE RUBBER GRANULES: Processed SBR rubber granules chipped and gradated to 1- 3 mm containing less than 4% dust. They shall meet the following standards: Rubber hydrocarbon content - 40%; Carbon black content - 30%; Acetone extract-15%; Ash content -8%; Moisture - 1% maximum.

2.20 COLORED RUBBER GRANULES: Processed rubber granules chipped and gradated to exact specifications. It shall meet the following standards: EPDM rubber content - 20%; pigment content-10%; Density - .08 (1.6); elongation at break -350%; tensile strength- 200 psi minimum.

2.30 BINDER: A proprietary, elastic polyurethane prepolymer pure MDI based, none to low odor, and ozone resistant capabilities to provide outstanding binding and resilient characteristics. The binding agent must be specially formulated for compatibility with EPDM rubber granules. It shall not contain TDI.

2.40 SEAL COAT: A high viscosity two component flood coat shall be applied to the base mat prior to application of the surface coat.

2.50 SURFACE COAT: A proprietary elastic, two-component pigmented synthetic polyurethane with unusually high ultraviolet resistance to minimize fading.

2.60 LINE PAINT: Lane stripes and event markings will be only aliphatic single component line paint approved by manufacturer of track surfacing. Under no conditions will other type paints be substituted.

2.70 SYSTEM INFORMATION:

Color: Red

Composition: **NONPOROUS**

Materials: 10mm BASIC (black mat) plus two-component polyurethane filling material plus two-component polyurethane top coating applied and cast in EPDM rubber granules.

Total depth – 1/2" (12-13mm)

PART 3 - LEVELING COURSE REQUIREMENTS

3.10 SLOPE: A minimum of 1%, maximum of 2% slope of leveling course as allowed by track construction rules should be maintained in the leveling course for proper drainage of track surface area.

3.20 SURFACE TOLERANCE AND CORRECTION: The leveling course of finish grade hot mixed asphaltic concrete, or concrete, required will have no deviation from the true surface in excess of one eighth (1/8) inch when measured along a 10 foot straight edge in any direction from the measurement. Asphalt should be allowed to cure for 14 days at ambient temperature of 70 degrees F. to allow evaporation of aromatic oil components. Concrete should be allowed to cure for 28 days before application of surfacing.

PART 4 – EXECUTION

4.10 PRIMER: To assure the bonding of the synthetic surface to the asphalt leveling course, the leveling course should be prepared with a single component high tack polyurethane primer or a two component epoxy primer. Apply at the rate of 0.28 lbs./square yard using an airless spray machine. Allow 20-30 minutes for solvent in the tack coat to evaporate.

4.20 MIXING: Quantities of materials determined by proven formulas of manufacturer shall be thoroughly mixed in an approved mechanical mixer to produce a homogeneous blend. Components shall be mixed to totally encapsulate the rubber granules in binder to ensure bonding.

4.30 PLACEMENT: Surface shall be put in place utilizing a special paver designed for installation of such sport surfaces. To ensure good compaction and bond in the joints, the screed of the machine shall be heated to 160 degrees Fahrenheit. Installation of surfacing shall not be done in temperatures lower than 50 degrees Fahrenheit. As polyurethane prepolymer need humidity to react to an elastic binder; it is essential to have a minimum humidity of 35%. In case of too low percentage of humidity, it is necessary to spray water not later than one hour after application using an extremely fine nozzle to provide a dome of humidity over the area of construction.

4.40 FILL COAT: The fill coat shall be a two component high viscosity material applied by squeegee.

4.50 SURFACE COAT: The surface coat will be a self-leveling two-component wet-pour coating. EPDM rubber granules will be cast in and form a durable link with the coating material.

4.60 CURING: Surface application shall receive adequate curing as determined by manufacturer. This time will normally require two weeks, unless otherwise specified.

PART 5 – LIMITATIONS

5.10 TEMPERATURE: Not to be applied below 50 degrees Fahrenheit.

5.20 WEATHER: Not to be applied during adverse weather conditions.

5.30 APPLICATION: To be supervised by trained and qualified personnel.

PART 6 – OTHER

6.10 WARRANTY: The contractor warrants that the track surface shall be free from defects in workmanship, labor and materials under normal use and service for a period of 60 months. Track striping and markings shall be warranted for a period of 24 months. This warranty does not apply to any damage to the surface which may be caused by improper design or engineering, by inadequate or defective base, or by the inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the owner fails to maintain constant moisture in the surrounding soils on both the inside and the outside of the track's surface.

- 6.11 QUALITY ASSURANCE:** Contractor and manufacture qualifications.
- A. The contractor and manufacture must be the same, or contractor must be certified by manufacture to install the product.
 - B. The contractor must have a minimum of 5 years' experience of successfully installing polyurethane track surfacing systems and shall have installed a minimum of 10 complete polyurethane running track surfacing systems
 - C. The contractor must be able to furnish evidence that they have been in business for a period of not less than 3 years, under the present name, and if required, furnish financial statements for each of the past 3 years.
 - D. Contractor will provide engineer with a signed affidavit stating that an asphalt surface test has been completed and the existing asphalt surface is acceptable for installation in regards to slope and planarity.



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Stobielast® S 123.[]**

[**] Indicates Color Code

General Product Information:

Stobielast® S 123.[]** is a solvent and mercury free, self-levelling, two-component, polyurethane *coating* that is designed as a coating for the production of spike-proof synthetic sports surfaces. As with any product, the use of **Stobielast® S 123.[**]** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at 68°F:

	Resin	Hardener	Mixture
Density [g/cm ³] DIN 53217/2	1.26	1.08	1.19
Viscosity [mPa·s] DIN 53018/1+2	2700	3500	2700
Mixing ratio by weight	100	65	-

Available Colors of Stobielast® S 123.[]:**

Code	Color	RAL-type
.00	Colorless	
.01	Black	approx. RAL 9005
.05	Silver Gray	Approx. RAL 7001
.10	Leaf green	approx. RAL 6002
.14	Gentian blue	approx. RAL 5010
.16	Oyster white	approx. RAL 1013
.22	Oxide red	approx. RAL 3009

.34	Sky blue	approx. RAL 5015
.35	Sand yellow	approx. RAL 1002
.36	Beige	approx. RAL 1001
.54	Capri blue	approx. RAL 5019
.56	Eggshell-light ivory	approx. RAL 1015

*Other colors are available upon request

Pot Life:

Approximately 15 - 30 minutes at 68°F. The potlife will be decreased at elevated temperatures. At lower temperatures (below 59°F), an accelerated version of the product may be required.

Cure Profile:

The surface can be walked on after 10 - 14 hours at 68°F. Freshly installed areas should not be exposed to rain or dew for at least 6-8 hours. Full curing is achieved after 4-7 days. Higher temperatures or addition of accelerator will shorten the cure time. The cure profile will be extended at lower temperatures. The air and subsurface temperature should not fall below 50°F during curing.

Typical Values of Cured Coating:

Shore hardness	50 A	DIN 53505
Tensile strength	2.5 N/mm ²	DIN 53455
Elongation at break	220 %	DIN 53455
Tear resistance	7.0 N/mm	DIN 53515

Processing:

Stir the resin well before use. The resin and hardener are then mixed together for at least two minutes at the correct ratio in a suitable mixer. Two component dosing and mixing machines are commonly used. When mixing by hand, it is recommended that the mixture is transferred to an empty container for final blending to prevent weak spots in the surface due to mixing mistakes. The material is then ready for application. Note that appropriate results depend on the proper design of the track system. For details on application rates for the different surfaces, please consult our system specifications.

A few important aspects that ensure a successful application:

- The potlife should be checked before use. Material can be pre-adjusted for

seasonal temperatures.

- The quality of the finished surface depends on the correct choice of EPDM or SBR rubber granules used. Ensure that the rubber granules are fully compatible with the coating by carrying out a small scale trial before starting work. Unsuitable rubbers will reduce, or even prevent, curing of the coating.
- The air and ground temperature must be between 55°F and 95°F.
- The subsurface must be dry and free from dust, oil and grease. In order to obtain optimum adhesion, primer should be applied with an airless sprayer to any asphalt base prior to the coating. Application of Primer on a pore-sealer layer of a sandwich system is recommended once there has been more than two days between the application of the pore sealer and the coating. For details on application rates for the primer, please consult our system specifications.
- Primer should be dry and fresh (no later than 12 hours old), and not affected by rain or dew.
- Written site records should be kept, recording details of batch numbers, used weight, laying progress, temperatures and humidity. A mixture should also be retained for reference.

Material Consumption:

1.2 – 1.3 kg/m²/mm. The exact quantity depends on the surface type. Please refer to the product information sheets for more details.

Precautions:

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

Product	Drums	IBC
Resin	240 kg / 529 lb	1,200 kg / 2,646 lb
Hardener	220 kg / 485 lb	1,000 kg / 2,205 lb

Storage:

Product must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life. After a longer storage period, the resin should be stirred well before use.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened packages should be used quickly.

Notice:

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February 09



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Stobielast® S 135.00

General Product Information:

Stobielast® S 135.00 is a solvent-free, moisture-curing, one-component, polyurethane *binder* that is designed for the production of base layers for running tracks, tennis courts and shock pads for turf pitches. As with any product, the use of **Stobielast® S 135.00** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at 68° F:

Density DIN 53217	1.08 g/cm ³
Viscosity DIN 53018/1+2	3500 mPa·s

Cure Profile:

Curing takes place at ambient temperature by reaction with atmospheric moisture. Dry conditions (relative humidity of 30% and under) can make additional water overspray necessary. Higher temperatures and/or moisture will shorten the cure time. Excessively high air and asphalt temperatures will lead to reduced viscosity and should be avoided during installation. The surface can be walked on after 12 - 18 hours at 68°F. The temperature should not fall below 50°F during curing.

Application:

Asphalt bases should be cured, dry and clean prior to priming. Primer must be applied with an airless sprayer no later than 12 hours prior to installation of the base mat. Note that appropriate results depend on the proper design of the track system. For details on application rates for the different surfaces please consult our system specifications.

Precaution:

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

220 kg net drums or 1,000 kg net totes. Other sizes are available upon request.

Storage:

Binder must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened drums or totes should be used quickly.

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Stobielast® S 128.22

General Product Information:

Stobielast® S 128.22 is a solvent-free, elastic and thixotropic, two-component, polyurethane *pore sealing compound* that is designed for sealing the pores of rubber base layers during the construction of synthetic sport and playing surfaces. As with any product, the use of **Stobielast® S 128.22** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at (68°F):

	Resin	Hardener	Mixture
Density [g/cm ³] DIN 53217/2	1.14	1.18	1.15
Viscosity [mPa·s] DIN 53018/1+2	thixotropic	250	thixotropic
Mixing ratio by weight	100	25	

Color:

Red. Other colors are available upon request.

Potlife:

Approximately 50 minutes at 68°F. The pot life can be shortened by raising the temperature, increasing the mix volume or adding accelerator.

Cure Profile:

The surface can be walked on after 18 - 24 hours at 68°F. Freshly installed areas should not be exposed to rain or dew for at least 6-8 hours. Full curing is achieved after 4 - 7 days. Higher temperatures or addition of accelerator will shorten the cure time. The curing profile will be longer at lower temperatures. The air and base mat temperature shall not fall below 50°F during curing. Excessively high air and base mat temperatures will lead to reduced viscosity and should be avoided during installation. The temperature should not fall below 50°F during curing.

Typical Properties of the Cured Material:

Shore hardness (DIN 53505)	65 A
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Processing and Application:

The surface to which the product is to be applied must be dry and free from dust, oil and grease. The hardener must be stirred into the resin component very carefully according to the indicated mixing ratio. The pore sealer will be applied directly on the rubber mat with a flat steel or rubber squeegee. Depending on the type and the quality of the rubber surface, one or two passes will be required.

Material Consumption:

1.0 – 2.5 lb/yd². Exact quantity depends on type and porosity of the surface.

Precautions:

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

Working kits available (44 lb / A + 11lb / B).

Storage:

The resin and hardener must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a long period of time can shorten the shelf life. After a long storage period, the resin should be stirred well before use.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened packages should be used quickly.

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February 09

SPIKETOP OLYMPIC

TRACK SURFACE SYSTEM

PRODUCT DATA AND SPECIFICATIONS

PART 1 - GENERAL

1.10 DESCRIPTION: Surface system shall be a synthetic, homogeneous, resilient material of graded rubber chips and proprietary rubber binding agents designed as a resilient surfacing for competitive athletic running tracks, jogging tracks, field events at outside and inside facilities, and baseball warning areas. Spiketop Olympic is an all-weather, impermeable, flexible surface, resistant to cracking, fading and deterioration. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation. For purposes of standards, **OLYMPIC SURFACE SYSTEM (Red)** as produced by *Vibra-Whirl Sports, LTD., Panhandle, Texas.*

PART 2 - MATERIALS

2.10 BLACK RUBBER GRANULES: Processed SBR rubber granules chipped and graded to 1- 2 mm containing less than 4% dust. They shall meet the following standards: Rubber hydrocarbon content - 40%; Carbon black content - 30%; Acetone extract-15%; Ash content -8%; Moisture - 1% maximum.

2.20 COLORED RUBBER GRANULES: Processed rubber granules chipped and graded to 1-4 mm. It shall meet the following standards: EPDM rubber content - 20%; pigment content-10%; Density - .08 (1.6); elongation at break -350%; tensile strength- 200 psi minimum.

2.30 BINDER: proprietary elastic, two-component synthetic polyurethane with unusually high ultraviolet resistance to minimize fading and give extra strength and toughness to the whole construction.

2.40 SURFACE COAT: A proprietary elastic, two-component pigmented synthetic polyurethane with unusually high ultraviolet resistance to minimize fading.

2.50 LINE PAINT: Lane stripes and event markings will be only polyurethane line paint approved by manufacturer of track surfacing. Under no conditions will other type paints be substituted.

2.60 SYSTEM INFORMATION:

Color: Red

Composition: Nonporous

Materials: A two-component polyurethane wet pour system with mixed-in rubber granules and cast in high resistant EPDM rubber granules.

Total depth - 1/2" (12-13mm).

PART 3 - LEVELING COURSE REQUIREMENTS

3.10 SLOPE: A minimum of 1%, maximum of 2% slope of leveling course as allowed by track construction rules should be maintained in the leveling course for proper drainage of track surface area.

3.20 SURFACE TOLERANCE AND CORRECTION: The leveling course of finish grade hot mixed asphaltic concrete, or concrete, required will have no deviation from the true surface in excess of one eighth (1/8) inch when measured along a 10 foot straight edge in

any direction from the measurement. Asphalt should be allowed to cure for 14 days at ambient temperature of 70 degrees F. to allow evaporation of aromatic oil components. Concrete should be allowed to cure for 28 days before application of surfacing.

PART 4 - EXECUTION

4.10 PRIMER: To assure the bonding of the synthetic surface to the asphalt leveling course, the leveling course should be prepared with a single component high tack polyurethane primer or a two component epoxy primer. Apply at the rate of 0.28 lbs./square yard using an airless spray machine. Allow 20-30 minutes for solvent in the tack coat to evaporate.

4.20 MIXING: Quantities of materials determined by proven formulas of manufacturer shall be thoroughly mixed in an approved mechanical mixer to produce a homogeneous blend. Components shall be mixed to totally encapsulate the rubber granules in binder to ensure bonding.

4.30 PLACEMENT: The base coarse is a poured in place self leveling two-component. EPDM granules will be broadcast into the material to give texture.

4.40 SURFACE COAT: The surface coat will be a self-leveling two-component wet-pour coating for encapsulation of the EPDM granules.

4.50 CURING: Surface application shall receive adequate curing as determined by manufacturer. This time will normally require two weeks, unless otherwise specified.

PART 5 - LIMITATIONS

5.10 TEMPERATURE: Not to be applied below 50 degrees Fahrenheit.

5.20 WEATHER: Not to be applied during adverse weather conditions.

5.30 APPLICATION: To be supervised by trained and qualified personnel. New asphalt leveling course shall cure for a minimum of two weeks before application of the surfacing.

PART 6 - OTHER

6.10 The contractor warrants that the track surface shall be free from defects in workmanship, labor and materials under normal use and service for a period of 60 months. Track striping and markings shall be warranted for a period of 24 months. This warranty does not apply to any damage to the surface which may be caused by improper design or engineering, by inadequate or defective base, or by the inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the owner fails to maintain constant moisture in the surrounding soils on both the inside and the outside of the track's surface.



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Stobielast® S 123.[]**

[**] Indicates Color Code

General Product Information:

Stobielast® S 123.[]** is a solvent and mercury free, self-levelling, two-component, polyurethane *coating* that is designed as a coating for the production of spike-proof synthetic sports surfaces. As with any product, the use of **Stobielast® S 123.[**]** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at 68°F:

	Resin	Hardener	Mixture
Density [g/cm ³] DIN 53217/2	1.26	1.08	1.19
Viscosity [mPa·s] DIN 53018/1+2	2700	3500	2700
Mixing ratio by weight	100	65	-

Available Colors of Stobielast® S 123.[**]:

Code	Color	RAL-type
.00	Colorless	
.01	Black	approx. RAL 9005
.05	Silver Gray	Approx. RAL 7001
.10	Leaf green	approx. RAL 6002
.14	Gentian blue	approx. RAL 5010
.16	Oyster white	approx. RAL 1013
.22	Oxide red	approx. RAL 3009

.34	Sky blue	approx. RAL 5015
.35	Sand yellow	approx. RAL 1002
.36	Beige	approx. RAL 1001
.54	Capri blue	approx. RAL 5019
.56	Eggshell-light ivory	approx. RAL 1015

*Other colors are available upon request

Pot Life:

Approximately 15 - 30 minutes at 68°F. The potlife will be decreased at elevated temperatures. At lower temperatures (below 59°F), an accelerated version of the product may be required.

Cure Profile:

The surface can be walked on after 10 - 14 hours at 68°F. Freshly installed areas should not be exposed to rain or dew for at least 6-8 hours. Full curing is achieved after 4-7 days. Higher temperatures or addition of accelerator will shorten the cure time. The cure profile will be extended at lower temperatures. The air and subsurface temperature should not fall below 50°F during curing.

Typical Values of Cured Coating:

Shore hardness	50 A	DIN 53505
Tensile strength	2.5 N/mm ²	DIN 53455
Elongation at break	220 %	DIN 53455
Tear resistance	7.0 N/mm	DIN 53515

Processing:

Stir the resin well before use. The resin and hardener are then mixed together for at least two minutes at the correct ratio in a suitable mixer. Two component dosing and mixing machines are commonly used. When mixing by hand, it is recommended that the mixture is transferred to an empty container for final blending to prevent weak spots in the surface due to mixing mistakes. The material is then ready for application. Note that appropriate results depend on the proper design of the track system. For details on application rates for the different surfaces, please consult our system specifications.

A few important aspects that ensure a successful application:

- The potlife should be checked before use. Material can be pre-adjusted for

seasonal temperatures.

- The quality of the finished surface depends on the correct choice of EPDM or SBR rubber granules used. Ensure that the rubber granules are fully compatible with the coating by carrying out a small scale trial before starting work. Unsuitable rubbers will reduce, or even prevent, curing of the coating.
- The air and ground temperature must be between 55°F and 95°F.
- The subsurface must be dry and free from dust, oil and grease. In order to obtain optimum adhesion, primer should be applied with an airless sprayer to any asphalt base prior to the coating. Application of Primer on a pore-sealer layer of a sandwich system is recommended once there has been more than two days between the application of the pore sealer and the coating. For details on application rates for the primer, please consult our system specifications.
- Primer should be dry and fresh (no later than 12 hours old), and not affected by rain or dew.
- Written site records should be kept, recording details of batch numbers, used weight, laying progress, temperatures and humidity. A mixture should also be retained for reference.

Material Consumption:

1.2 – 1.3 kg/m²/mm. The exact quantity depends on the surface type. Please refer to the product information sheets for more details.

Precautions:

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

Product	Drums	IBC
Resin	240 kg / 529 lb	1,200 kg / 2,646 lb
Hardener	220 kg / 485 lb	1,000 kg / 2,205 lb

Storage:

Product must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life. After a longer storage period, the resin should be stirred well before use.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened packages should be used quickly.

Notice:

This bulletin is provided for general informational purposes only and should not be construed as advice on specific product usage. The manufacturer makes no warranty of merchantability or of fitness for a particular purpose. The Buyer assumes all liability for incorrect or illegal use of this product.

February 09



**STOCKMEIER
URETHANES**

Stockmeier Urethanes USA, Inc.
20 Columbia Boulevard
P.O. Box 1456
Clarksburg, WV 26302-1456
USA
Phone: ++1-304-624-7002
Fax: ++1-304-624-7020

Stobielast® S 135.00

General Product Information:

Stobielast® S 135.00 is a solvent-free, moisture-curing, one-component, polyurethane *binder* that is designed for the production of base layers for running tracks, tennis courts and shock pads for turf pitches. As with any product, the use of **Stobielast® S 135.00** must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Typical Properties at 68° F:

Density DIN 53217	1.08 g/cm ³
Viscosity DIN 53018/1+2	3500 mPa·s

Cure Profile:

Curing takes place at ambient temperature by reaction with atmospheric moisture. Dry conditions (relative humidity of 30% and under) can make additional water overspray necessary. Higher temperatures and/or moisture will shorten the cure time. Excessively high air and asphalt temperatures will lead to reduced viscosity and should be avoided during installation. The surface can be walked on after 12 - 18 hours at 68°F. The temperature should not fall below 50°F during curing.

Application:

Asphalt bases should be cured, dry and clean prior to priming. Primer must be applied with an airless sprayer no later than 12 hours prior to installation of the base mat. Note that appropriate results depend on the proper design of the track system. For details on application rates for the different surfaces please consult our system specifications.

Precaution:

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized. For any information, please consult your Stockmeier sales representative or Technical service department. In all cases, *please read the MSDS carefully before use.*

Packaging:

220 kg net drums or 1,000 kg net totes. Other sizes are available upon request.

Storage:

Binder must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life.

UV Stability:

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color or when used in tandem with EPDM granules of lighter or more vibrant shades.

Shelf Life:

At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened drums or totes should be used quickly.

Notice:

This bulletin is provided for general informational purposes only and should not be construed as advice on specific product usage. The manufacturer makes no warranty of merchantability or of fitness for a particular purpose. The Buyer assumes all liability for incorrect or illegal use of this product.

February 09

OMNI TRACK SYSTEM B

TRACK SURFACE SYSTEM

PRODUCT DATA AND SPECIFICATIONS

PART 1 - GENERAL

1.10 DESCRIPTION: Track surface system shall be a synthetic, homogeneous, resilient material of gradated rubber chips and proprietary rubber acrylic latex binding agents. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation. **OMNI Track Surface System "B" (black)**, as produced by Vibra-Whirl Sports, Ltd., Panhandle, Texas.

PART 2 - MATERIALS

2.10 BASE RUBBER GRANULES: Black processed SBR rubber granules gradated and ground to 1mm - 3mm mesh with a maximum of 4% dust.

2.20 ACRYLIC LATEX BINDERS: Proprietary, resilient, acrylic terpolymer with high solid content (55% minimum by weight), none-to-low odor, and high ultra violet resistance characteristics.

2.30 VINYL ACRYLIC LATEX SURFACE COAT: Proprietary resilient synthetic copolymer with extra high ultra violet resistance characteristics.

2.40 BINDER PIGMENTS: Black dispersion type pigments for mixture with acrylic latex binders and vinyl acrylic surface coats.

2.50 LINE PAINTS: Acrylic latex line paint approved for surface installations according to manufacturer. Under no conditions will oil or alkyd base paints be substituted.

PART 3 - LEVELING COURSE REQUIREMENTS

3.10 SLOPE: A minimum of 1%, maximum of 2% slope of leveling course as allowed by track construction rules should be maintained in the leveling course for proper drainage of track surface area.

3.20 SURFACE TOLERANCE AND CORRECTION: The leveling course of finish grade hot mixed asphaltic concrete, or concrete, required will have no deviation from the true surface in excess of one eighth (1/8) inch when measured along a 10 foot straight edge in any direction from the measurement. Asphalt should be allowed to cure for 14 days at ambient temperature of 70 degrees F. to allow evaporation of aromatic oil components. Concrete should be allowed to cure for 28 days before application of surfacing.

PART 4 - EXECUTION

4.10 PRIME COAT: To assure the bonding of track surfacing to the leveling course, the leveling course will be prepared with a combination prime coat of emulsion asphalt (SS-1) or binding agent and rubber granules. After adequate curing, prime coat will be sprayed with acrylic latex spray coat to further ensure proper bond to asphaltic leveling course.

4.20 APPLICATION OF MATERIALS:

A. **MIXING:** Black rubber granules, black dispersion pigment and acrylic latex binder shall be thoroughly mixed in a mechanical mixer to produce a homogeneous blend. Components shall be mixed to **TOTALLY ENCAPSULATE** the rubber granules in binder to ensure bonding of rubber granules and prevent any dry rubber spots in layered course. Under

no conditions will asphalt emulsions be used as a binding agent between any structural layers of rubber granules other than the prime coat bonding to the asphaltic leveling course (3.01).

- B. **PLACEMENT:** Thoroughly mixed materials will be put in place in structural layers to fill and bond with previous layers. Materials will be placed utilizing wooden lutes for spreading of materials followed by glass trowels for smoothing and compaction. Structural layers shall be installed down the length of the track, with the glass trowel to be pulled across the track. Each layer will constitute approximately one-fourth (1/4) of the total track surface depth, which shall be a minimum 3/8" thickness. Composition of total track surface should require a minimum of .50 gallons per square yard of binder and 8 lbs. per square yard of rubber granules.
- C. The structural layering will be continued until the specified thickness is obtained.
- D. **SURFACE COATS:** For additional durability and resistance to ultra violet degradation, two coats of vinyl acrylic latex combined with dispersion pigments shall be sprayed on the last structural layer application. A pressure apparatus shall be used to force the coating into the permeable surface. Surface coat application shall be in multiple sprays to an application of .15 gallons per square yard.

PART 5 - LIMITATIONS

- 5.10 A minimum of 7 days curing will be allowed before subjecting surface to competition. (Curing time does not affect striping work to be completed.)
- 5.20 Materials not to be applied below 50° F.
- 5.30 Materials not to be applied under adverse weather conditions (i.e. blowing sand, strong winds, etc.) or when rain is imminent.
- 5.40 Mixing and application will be supervised by trained personnel familiar with such installations and equipment required.
- 5.50 No asphaltic materials shall be used in the structural layer/spraying process.
- 5.60 No SBR latex type binders shall be substituted for 100% Acrylic Latex Binders.

PART 6 - AREA OF COVERAGE

- 6.10 Track surfacing materials shall be installed as per manufacturer's specifications and recommendations to all areas of the track and field events as required.

PART 7 - OTHER

- 7.10 Contractor warrants to Owner that the track surface shall be free from defects in workmanship under normal use and service for a period of one (1) year from final completion of the work. The track striping and markings shall be warranted for a period of twenty-four (24) months from final completion. Materials incorporated into the work shall be warranted in accordance with the manufacturer's warranty for a period of thirty-six (36) months following surface completion. The manufacturer's warranty shall be subject to the terms, conditions and limitations stated therein. This warranty does not apply to any damages to the surface which may be caused by improper design and/or engineering, by inadequate or defective base, or by inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the Owner fails to maintain constant moisture in the surrounding soils on both the inside and outside of the track's surface.

OMNI TRACK SCRAPECOATS B

TRACK SURFACE SYSTEM

PRODUCT DATA AND SPECIFICATIONS

PART 1 - GENERAL

1.10 DESCRIPTION: Track surface system shall be a synthetic, homogeneous, resilient material of gradated rubber chips and proprietary rubber acrylic latex binding agents. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation. **OMNI Track Surface System "B" (BLACK)**, as produced by Vibra-Whirl Sports, Ltd., Panhandle, Texas.

PART 2 - MATERIALS

2.10 BASE RUBBER GRANULES: Black processed SBR rubber granules gradated and ground to 1mm - 3mm mesh with a maximum of 4% dust.

2.20 ACRYLIC LATEX BINDERS: Proprietary, resilient, acrylic terpolymer with high solid content (55% minimum by weight), none-to-low odor, and high ultra violet resistance characteristics.

2.30 VINYL ACRYLIC LATEX SURFACE COAT: Proprietary resilient synthetic copolymer with extra high ultra violet resistance characteristics.

2.40 BINDER PIGMENTS: Black dispersion type pigments for mixture with acrylic latex binders and vinyl acrylic surface coats.

2.50 LINE PAINTS: Acrylic latex line paint approved for surface installations according to manufacturer. Under no conditions will oil or alkyd base paints be substituted.

PART 3 - LEVELING COURSE REQUIREMENTS

3.10 SLOPE: A minimum of 1%, maximum of 2% slope of leveling course as allowed by track construction rules should be maintained in the leveling course for proper drainage of track surface area.

3.20 SURFACE TOLERANCE AND CORRECTION: The leveling course of finish grade hot mixed asphaltic concrete, or concrete, required will have no deviation from the true surface in excess of one eighth (1/8) inch when measured along a 10 foot straight edge in any direction from the measurement. Asphalt should be allowed to cure for 14 days at ambient temperature of 70 degrees F. to allow evaporation of aromatic oil components. Concrete should be allowed to cure for 28 days before application of surfacing.

PART 4 - EXECUTION

4.10 PRIME COAT: To assure the bonding of track surfacing to the leveling course, the leveling course will be prepared with a combination prime coat of emulsion asphalt (SS-1) or binding agent and rubber granules. After adequate curing, prime coat will be sprayed with acrylic latex spray coat to further ensure proper bond to asphaltic leveling course.

4.20 APPLICATION OF MATERIALS:

A. **MIXING:** Black rubber granules, black dispersion pigment and acrylic latex binder shall be thoroughly mixed in a mechanical mixer to produce a

homogeneous blend. Components shall be mixed to TOTALLY ENCAPSULATE the rubber granules in binder to ensure bonding of rubber granules and prevent any dry rubber spots in layered course. Under no conditions will asphalt emulsions be used as a binding agent between any structural layers of rubber granules other than the prime coat bonding to the asphaltic leveling course (3.01).

- B. **PLACEMENT:** Thoroughly mixed materials will be put in place in structural layers to fill and bond with previous layers. Materials will be placed utilizing wooden lutes for spreading of materials followed by glass trowels for smoothing and compaction. Structural layers shall be installed down the length of the track, with the glass trowel to be pulled across the track. Each layer will constitute approximately one-fourth (1/4) of the total track surface depth, which shall be a minimum 3/8" thickness. Composition of total track surface should require a minimum of .50 gallons per square yard of binder and 8 lbs. per square yard of rubber granules.
- C. The structural layering will be continued until the specified thickness is obtained.
- D. **SURFACE COATS:** For additional durability and resistance to ultra violet degradation, two coats of vinyl acrylic latex combined with dispersion pigments shall be sprayed on the last structural layer application. A pressure apparatus shall be used to force the coating into the permeable surface. Surface coat application shall be in multiple sprays to an application of .15 gallons per square yard.

PART 5 - LIMITATIONS

- 5.10 A minimum of 7 days curing will be allowed before subjecting surface to competition. (Curing time does not affect striping work to be completed.)
- 5.20 Materials not to be applied below 50° F.
- 5.30 Materials not to be applied under adverse weather conditions (i.e. blowing sand, strong winds, etc.) or when rain is imminent.
- 5.40 Mixing and application will be supervised by trained personnel familiar with such installations and equipment required.
- 5.50 No asphaltic materials shall be used in the structural layer/spraying process.
- 5.60 No SBR latex type binders shall be substituted for 100% Acrylic Latex Binders.

PART 6 - AREA OF COVERAGE

- 6.10 Track surfacing materials shall be installed as per manufacturer's specifications and recommendations to all areas of the track and field events as required.

PART 7 - OTHER

- 7.10 Contractor warrants to Owner that the track surface shall be free from defects in workmanship under normal use and service for a period of one (1) year from final completion of the work. The track striping and markings shall be warranted for a period of twenty-four (24) months from final completion. Materials incorporated into the work shall be warranted in accordance with the manufacturer's warranty for a period of twenty-four (24) months following surface completion. The manufacturer's warranty shall be subject to the terms, conditions and limitations stated therein. This warranty does not apply to any damages to the surface which may be caused by improper design and/or engineering, by inadequate or defective base, or by inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the Owner fails to

maintain constant moisture in the surrounding soils on both the inside and outside of the track's surface.

OMNI TRACK SYSTEM CB

Synthetic Surface System

PRODUCT DATA AND SPECIFICATIONS

PART 1 - GENERAL

- 1.10 **DESCRIPTION:** Track surface system shall be a synthetic, homogeneous, resilient material of gradated rubber chips and proprietary rubber acrylic latex binding agents. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation. OMNI Track Surface System "CB" (Red), as produced by Vibra-Whirl Sports, Ltd., Panhandle, Texas.

PART 2 - MATERIALS

- 2.10 **BASE RUBBER GRANULES:** Black processed SBR rubber granules gradated and ground to 1mm - 3mm mesh with a maximum of 4% dust.
- 2.20 **ACRYLIC LATEX BINDERS:** Proprietary, resilient, acrylic terpolymer with high solid content (55% minimum by weight), none-to-low odor, and high ultra violet resistance characteristics.
- 2.30 **VINYL ACRYLIC LATEX SURFACE COAT:** Proprietary resilient synthetic copolymer with extra high ultra violet resistance characteristics.
- 2.40 **BINDER PIGMENTS:** Red dispersion type pigments for mixture with acrylic latex binders and vinyl acrylic surface coats.
- 2.50 **LINE PAINTS:** Acrylic latex line paint approved for surface installations according to manufacturer. Under no conditions will oil or alkyd base paints be substituted.

PART 3 - LEVELING COURSE REQUIREMENTS

- 3.10 **SLOPE:** A minimum of 1%, maximum of 2% slope of leveling course as allowed by track construction rules should be maintained in the leveling course for proper drainage of track surface area.
- 3.20 **SURFACE TOLERANCE AND CORRECTION:** The leveling course of finish grade hot mixed asphaltic concrete, or concrete, required will have no deviation from the true surface in excess of one eighth (1/8) inch when measured along a 10 foot straight edge in any direction from the measurement. Asphalt should be allowed to cure for 14 days at ambient temperature of 70 degrees F. to allow evaporation of aromatic oil components. Concrete should be allowed to cure for 28 days before application of surfacing.

PART 4 - EXECUTION

- 4.10 **PRIME COAT:** To assure the bonding of track surfacing to the leveling course, the leveling course will be prepared with a combination prime coat of emulsion asphalt (SS-1) or binding agent and rubber granules. After adequate curing, prime coat will be sprayed with acrylic latex spray coat to further ensure proper bond to asphaltic leveling course.

4.20 APPLICATION OF MATERIALS:

- A. **MIXING:** Black rubber granules, red dispersion pigment and acrylic latex binder shall be thoroughly mixed in a mechanical mixer to produce a homogeneous blend. Components shall be mixed to **TOTALLY ENCAPSULATE** the rubber granules in binder to ensure bonding of rubber granules and prevent any dry rubber spots in layered course. Under no conditions will asphalt emulsions be used as a binding agent between any structural layers of rubber granules other than the prime coat bonding to the asphaltic leveling course (3.01).
- B. **PLACEMENT:** Thoroughly mixed materials will be put in place in structural layers to fill and bond with previous layers. Materials will be placed utilizing wooden lutes for spreading of materials followed by glass trowels for smoothing and compaction. Structural layers shall be installed down the length of the track, with the glass trowel to be pulled across the track. Each layer will constitute approximately one-fourth (1/4) of the total track surface depth, which shall be a minimum 1/2" thickness. Composition of total track surface should require a minimum of .50 gallons per square yard of binder and 10.66 lbs. per square yard of rubber granules.
- C. The structural layering will be continued until the specified thickness is obtained. Binder to Rubber shall be one gallon binder to sixteen pounds rubber.
- D. **SURFACE COAT:** For additional durability and resistance to ultra violet degradation, two coats of vinyl acrylic latex combined with dispersion pigments shall be sprayed on the last structural layer application. A pressure apparatus shall be used to force the coating into the permeable surface. Surface coat application shall be in multiple sprays to an application of .15 gallons per square yard per spray. Two sprays are required.

PART 5 - LIMITATIONS

- 5.10 A minimum of 7 days curing will be allowed before subjecting surface to competition. (Curing time does not affect striping work to be completed.)
- 5.20 Materials not to be applied below 50° F.
- 5.30 Materials not to be applied under adverse weather conditions (i.e. blowing sand, strong winds, etc.) or when rain is imminent.
- 5.40 Mixing and application will be supervised by trained personnel familiar with such installations and equipment required.
- 5.50 No asphaltic materials shall be used in the structural layer/spraying process.
- 5.60 No SBR latex type binders shall be substituted for 100% Acrylic Latex Binders.

PART 6 - AREA OF COVERAGE

- 6.10 Track surfacing materials shall be installed as per manufacturer's specifications and recommendations to all areas of the track and field events as required.

PART 7 - OTHER

- 7.10 Contractor warrants to Owner that the track surface shall be free from defects in workmanship under normal use and service for a period of one (1) year from

final completion of the work. The track striping and markings shall be warranted for a period of twenty-four (24) months from final completion. Materials incorporated into the work shall be warranted in accordance with the manufacturer's warranty for a period of thirty-six (36) months following surface completion. The manufacturer's warranty shall be subject to the terms, conditions and limitations stated therein. This warranty does not apply to any damages to the surface which may be caused by improper design and/or engineering, by inadequate or defective base, or by inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the Owner fails to maintain constant moisture in the surrounding soils on both the inside and outside of the track's surface.

OMNI TRACK SYSTEM S

Synthetic Surface System

PRODUCT DATA AND SPECIFICATIONS

PART 1 - GENERAL

- 1.10 DESCRIPTION:** Track surface system shall be a synthetic, homogeneous, resilient material of gradated rubber chips and proprietary rubber acrylic latex binding agents. Standards for materials and applications of materials are set herein and will be strictly adhered to for purposes of this installation. **OMNI Track Surface System "S" (RED)**, as produced by *Vibra-Whirl Sports, Ltd., Panhandle, Texas.*

PART 2 - MATERIALS

- 2.10 BASE RUBBER GRANULES:** Black processed SBR rubber granules gradated and ground to 1mm - 3mm mesh with a maximum of 4% dust. Total rubber required 5 lbs. per square yard.
- 2.20 STRUCTURE RUBBER GRANULES:** Red processed EPDM rubber granules ground to 1mm - 3mm mesh with a maximum of 4% dust. Total rubber required 4.5 lbs. per square yard.
- 2.30 ACRYLIC LATEX BINDERS:** Proprietary, resilient, acrylic terpolymer with high solid content (55% minimum by weight), none-to-low odor, and high ultra violet resistance characteristics.
- 2.40 VINYL ACRYLIC LATEX SURFACE COAT:** Proprietary resilient synthetic copolymer with extra high ultra violet resistance characteristics.
- 2.50 BINDER PIGMENTS:** Red dispersion type pigments for mixture with acrylic latex binders and vinyl acrylic surface coats.
- 2.60 LINE PAINTS:** Acrylic latex line paint approved for surface installations according to manufacturer. Under no conditions will oil or alkyd base paints be substituted.

PART 3 - LEVELING COURSE REQUIREMENTS

- 3.10 SLOPE:** A minimum of 1%, maximum of 2% slope of leveling course as allowed by track construction rules should be maintained in the leveling course for proper drainage of track surface area.
- 3.20 SURFACE TOLERANCE AND CORRECTION:** The leveling course of finish grade hot mixed asphaltic concrete, or concrete, required will have no deviation from the true surface in excess of one eighth (1/8) inch when measured along a 10 foot straight edge in any direction from the measurement. Asphalt should be allowed to cure for 14 days at ambient temperature of 70 degrees F. to allow evaporation of aromatic oil components. Concrete should be allowed to cure for 28 days before application of surfacing.

PART 4 - EXECUTION

- 4.10 PRIME COAT:** To assure the bonding of track surfacing to the leveling course, the leveling course will be prepared with a combination prime coat of emulsion asphalt (SS-1) or binding agent and rubber granules. After adequate curing, prime coat will be sprayed with acrylic latex spray coat to further ensure proper bond to asphaltic leveling course.
- 4.20 APPLICATION OF MATERIALS:**
- A. **MIXING:** Black rubber granules (red rubber granules in structure coat), red dispersion pigment and acrylic latex binder shall be thoroughly mixed in a mechanical mixer to produce a homogeneous blend. Components shall be mixed to **TOTALLY ENCAPSULATE** the rubber granules in binder to ensure bonding of rubber granules and prevent any dry rubber spots in layered course. Under no conditions will asphalt emulsions be used as a binding agent between any structural layers of rubber granules other than the prime coat bonding to the asphaltic leveling course (3.01).
 - B. **PLACEMENT:** Thoroughly mixed materials will be put in place in structural layers to fill and bond with previous layers. Materials will be placed utilizing wooden lutes for spreading of materials followed by glass trowels for smoothing and compaction. Structural layers shall be installed down the length of the track, with the glass trowel to be pulled across the track. Each layer will constitute approximately one-fourth (1/4) of the total track surface depth, which shall be a minimum 3/8" thickness. Composition of total track surface should require a minimum of .50 gallons per square yard of binder and 9.5 lbs. per square yard of rubber granules.
 - C. The structural layering will be continued until the specified thickness is obtained.
 - D. **SURFACE COAT:** For additional durability and resistance to ultra violet degradation, two coats of vinyl acrylic latex combined with dispersion pigments shall be sprayed on the last structural layer application. A pressure apparatus shall be used to force the coating into the permeable surface. Surface coat application shall be in multiple sprays to an application of .15 gallons per square yard.

PART 5 - LIMITATIONS

- 5.10** A minimum of 7 days curing will be allowed before subjecting surface to competition. (Curing time does not affect striping work to be completed.)
- 5.20** Materials not to be applied below 50° F.
- 5.30** Materials not to be applied under adverse weather conditions (i.e. blowing sand, strong winds, etc.) or when rain is imminent.
- 5.40** Mixing and application will be supervised by trained personnel familiar with such installations and equipment required.
- 5.50** No asphaltic materials shall be used in the structural layer/spraying process.
- 5.60** No SBR latex type binders shall be substituted for 100% Acrylic Latex Binders.

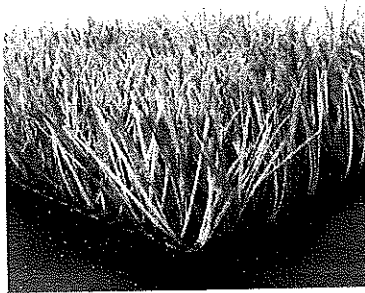
PART 6 - AREA OF COVERAGE

- 6.10** Track surfacing materials shall be installed as per manufacturer's specifications and recommendations to all areas of the track and field events as required.

PART 7 - OTHER

- 7.10** Contractor warrants to Owner that the track surface shall be free from defects in workmanship under normal use and service for a period of one (1) year from final completion of the work. The track striping and markings shall be warranted for a period of twenty-four (24) months from final completion. Materials incorporated into the work shall be warranted in accordance with the manufacturer's warranty for a period of thirty-six (36) months following surface completion. The manufacturer's warranty shall be subject to the terms, conditions and limitations stated therein. This warranty does not apply to any damages to the surface which may be caused by improper design and/or engineering, by inadequate or defective base, or by inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the Owner fails to maintain constant moisture in the surrounding soils on both the inside and outside of the track's surface.

XtremeTurf™ DX60

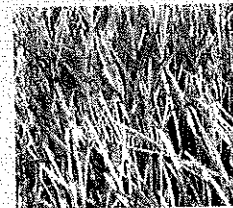


Product Description

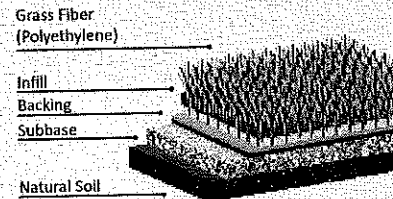
Xtreme Turf DX60 is designed for American football, football, lacrosse and baseball use and consists of a tufted blend of a monofilament and an exclusive 300/360 micron spined diamond monofilament fiber on a reinforced multi-layer backing. The system is installed over a suitable substrate in accordance with designs and specifications recommended by Act Global.

USA Product Specifications

Physical Characteristics	Specification
Yarn	Polyethylene with exclusive 300/360 micron dual MN Global yarn (sport + olive green)
Pile Weight	42 oz/sy
Denier	11,500 denier (12,650 dtex)
Film Type	Dual-color spined diamond monfilament blend
Primary Backing Weight	7.5 oz/sy
Secondary Backing Weight	22 oz/sy
Total Weight	71.5 oz/sy
Pile Height	2 1/2" or 65 mm
Tufting Gauge	1/2"
Primary Backing	Multi-layer
Secondary Backing	Polyurethane coating
Width	15'
Perforation	Yes
Infill	Recommended safer infill levels are 75% or greater of the tall pile height



Product after 130k Lisport cycles



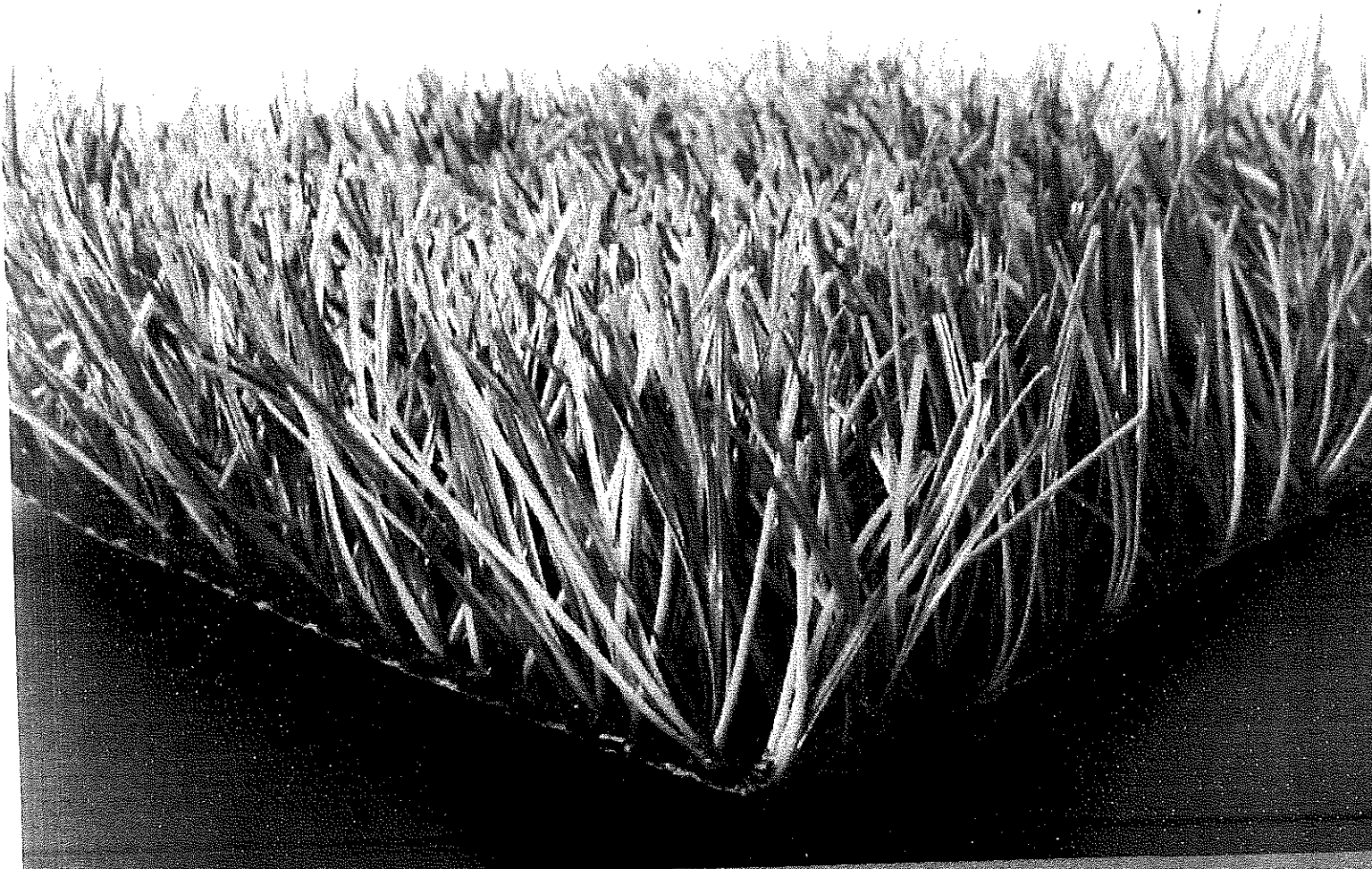
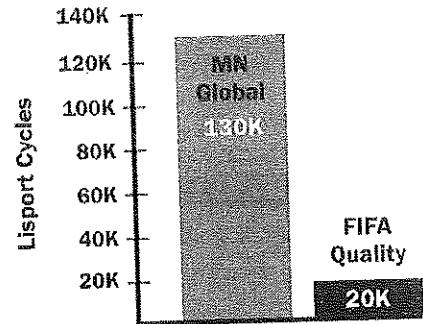
These are typical specifications, subject to standard manufacturing tolerances and customer options. v Nixon2016

XtremeTurf™ DX60

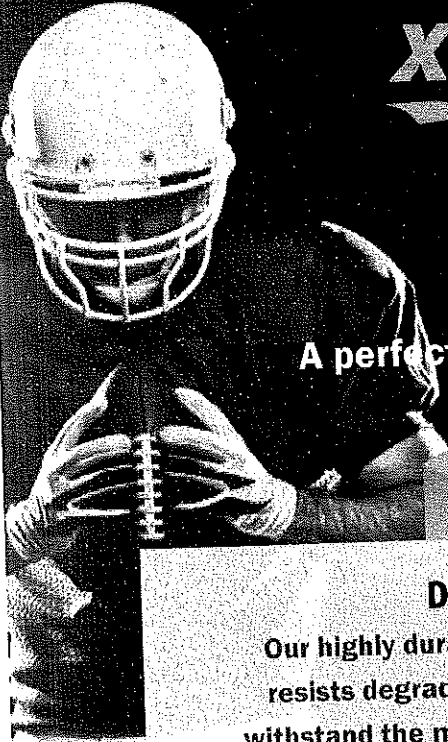
Play longer. Train harder. Perform better.

With the most durable monofilament available.

Xtreme Turf DX60 features an exclusive MN Global™ dual-diamond yarn blend, which outperforms other monofilament systems on a combination of measures. The innovative design resists degradation and splitting, while offering optimal performance, skin-friendliness and natural grass like appearance. Pitches equipped with the durable DX60 are proven to last longer, to offer tremendous value for various high intensity sport applications.



XtremeTurf DX60



SPORT APPLICATIONS



A perfect trio of durability, skin comfort and resiliency in our most natural looking system.

Diamond

Our highly durable 360 micron fiber resists degradation and splitting to withstand the most intense sports use.



Winged Diamond

300 micron non-abrasive, soft fiber designed for player comfort.

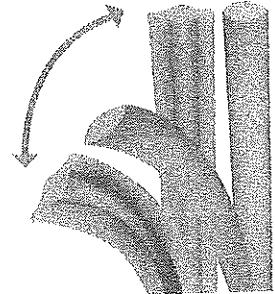
Train Harder.

DX60 does not compromise yarn softness for strength. The highly skin-friendly yarn improves player comfort and safety, and will pass FIFA skin friction and abrasion tests with ease.

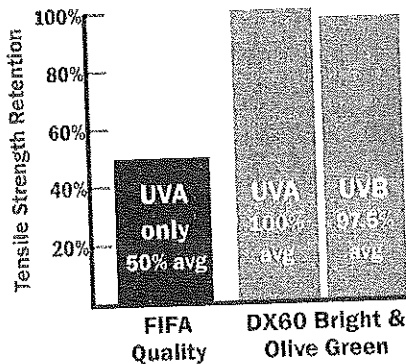
Perform Better.

A unique 'bounce back' characteristic protects the surface from becoming flat or compacted, to keep your players and your field performing at peak condition for years of use.

BOUNCE BACK



UV + CLIMATIC TESTING



Play Longer.

With an advanced yarn design plus maximum UV inhibitors, DX60 withstands the toughest sports and environmental conditions. The DX60 monofilament yarns can reach **130,000 Lisport cycles** until splitting to offer maximum usage and life expectancy of your field.

Test Methods:

Artificial weathering and 3,000 hours of UVA/UVB exposure.

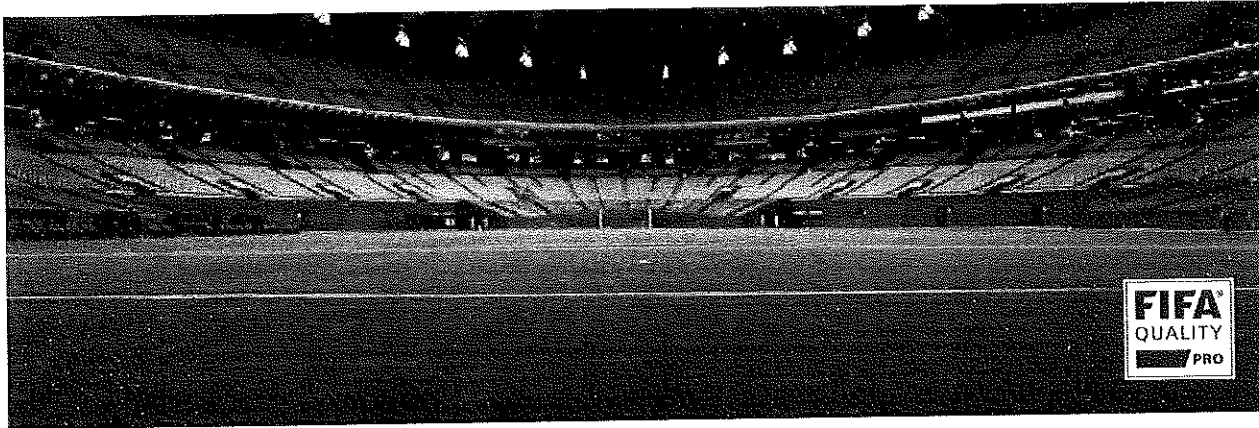
Results:

- ✓ Exceed standards for EN 15330-1, FIFA, WORLD RUGBY, FIH, STC and ESTO
- ✓ Internal testing also completed up to 10,000 hours UV exposure

XtremeTurf™ DX60



FEATURED PROJECTS



FIFA 2015 WOMEN'S WORLD CUP

NAME OF FACILITY: Stade Olympic de Montreal

LOCATION: Montreal, Canada

CLIENT NEED: World class professional performance

The Xtreme Turf pitch at Montreal Stadium hosted ten U-20 Women's World Cup games, including the Final.



LARGE REGIONAL SOCCER CLUB

NAME OF FACILITY: North Shore United

LOCATION: Wisconsin, USA

CLIENT NEED: Maximum durability for heavy use community field

This popular soccer club chose DX60 for its combination of high durability, performance and player comfort.

XtremeTurf™

PERFORMANCE CHANGING
Innovations



Play more.

XTREME TURF | **Play more.**

XtremeTurf™

Preferred by players around the world.

BENCHMARKED TOP NATURAL GRASS STADIA
for football, baseball, and American football

MORE THAN 100
laboratory tests verify PERFORMANCE

1,500+
Sports Pitches Worldwide

1st TO INSTALL
FIFA CERTIFIED

Projects in Brazil,
Burundi, Georgia,
Guatemala, Indonesia,
Malawi, Mexico,
Taiwan, Singapore,
Malaysia, Vietnam,
& Zimbabwe.



Someone is playing on our turf
**Every minute,
of every day.**

ABOUT ACT GLOBAL

- ✓ Full range of synthetic turf for sports, landscape, aviation and landfill capping solutions
- ✓ Long-term investments in new manufacturing centres, R&D, and in-house laboratory testing equipment

MANUFACTURING
3 Continents
INSTALLATIONS
70 Countries



SportsTurf
MANAGERS ASSOCIATION

CERTIFIED
QUALITY



XTREME TURF | Play more.

ENGINEERED FOR PLAYER SAFETY & PERFORMANCE

The most common sports injuries are sprains (33%), fractures (18%), bruises and abrasions (16%), and internal organs and concussions (12%).

A FIFA STUDY SHOWS 41% OF PLAYER INJURIES CAN BE RELATED TO FATIGUE.

Balancing System Components

SHOCK ABSORPTION

We must maximize shock absorption while limiting vertical deformation. This proper balance can improve foot stability, prevent ligament stress, and reduce player fatigue and injury.

VERTICAL DEFORMATION

(g-max & HIC)



TRACTION

Our top quality fibres offer both softness and durability, while optimal yarn distribution and infill levels improve surface to foot interaction.

SKIN FRIENDLY



DECELERATION

A surface must allow players to start and stop quickly and safely in a fast paced game.

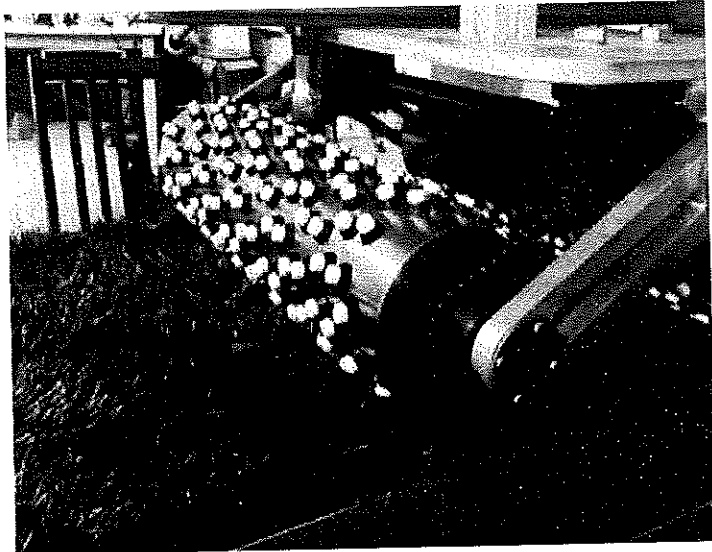
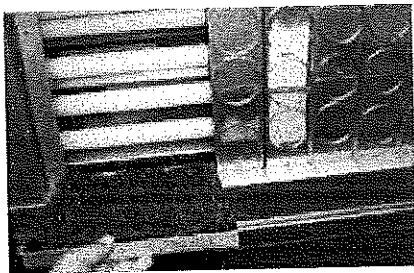
SLIP RESISTANCE





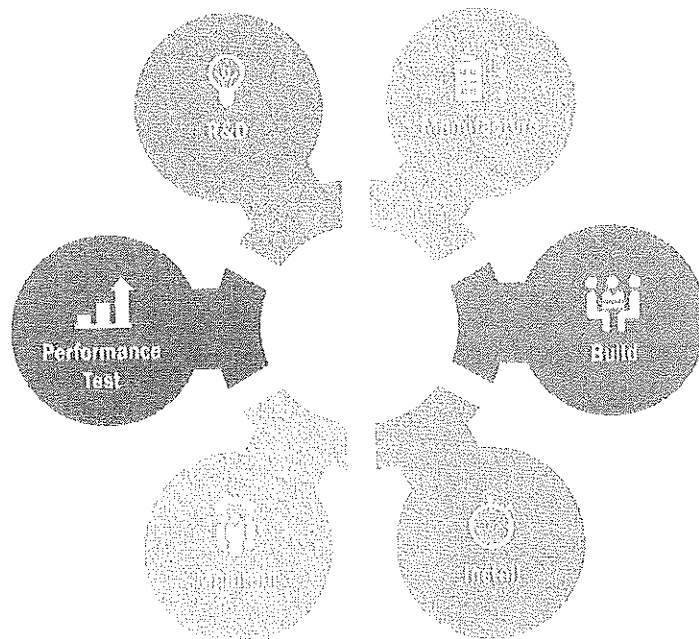
Durability

Our products are developed using maximum UV inhibitors to withstand heavy use and intense climatic conditions. Fibres last longer and perform better.

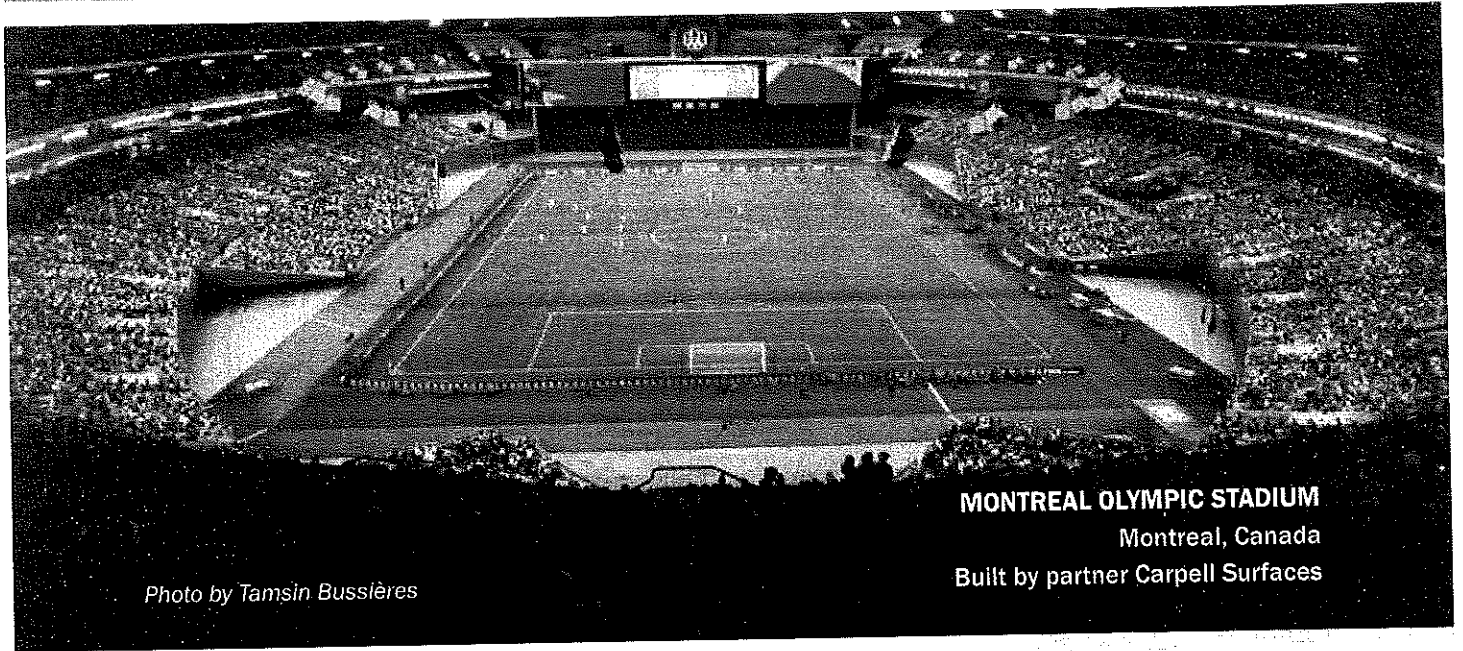


Total Synthetic Turf Solutions

With global manufacturing, regional sales support and worldwide network of partner contractors, we can offer a total synthetic turf solution from concept to completion.



FOOTBALL | **Play more.**



MONTREAL OLYMPIC STADIUM
Montreal, Canada
Built by partner Carpell Surfaces

Photo by Tamsin Bussières

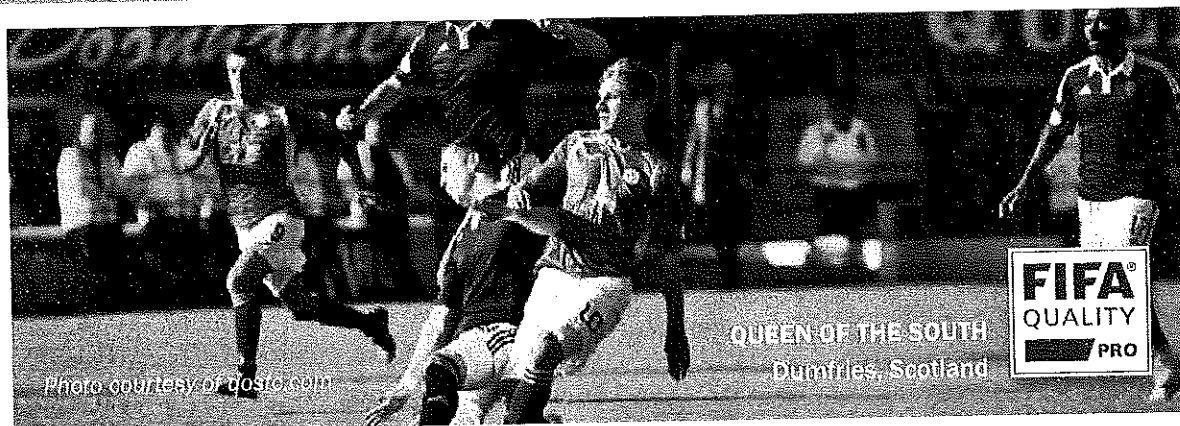
KICK
PASS
HEAD
GOAL



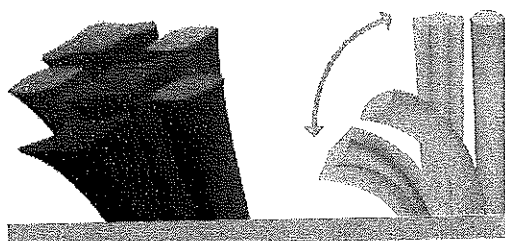
**Over 160 FIFA
certified installs
on 6 continents**

**FIFA PREFERRED PRODUCER
FOR FOOTBALL TURF**

- ✓ Tested to perform like natural grass
- ✓ Start to finish quality controls
- ✓ Stringent testing procedures
at championship levels
- ✓ Marked by FIFA Quality or FIFA Quality Pro
- ✓ Expert maintenance extends life



Monofilament



Train harder with our most durable monofilament available.



Highly resilient fibres

- ✓ Up to 130,000 sport cycles
- ✓ Less compaction



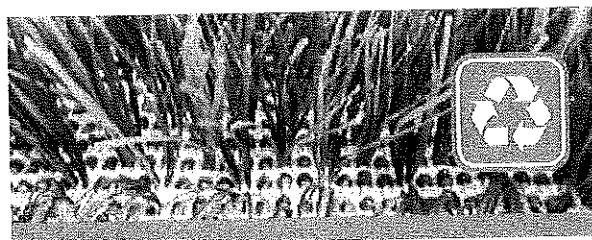
Optimal ball behaviour & foot interaction



Skin friendly

- ✓ Dual-yarn blend resembles natural grass

Woven



A premium triple fibre design and woven backing offer top end performance.



Enhanced player performance

- ✓ Improved footing and stability
- ✓ Better player to ball interaction



Non-direction pile

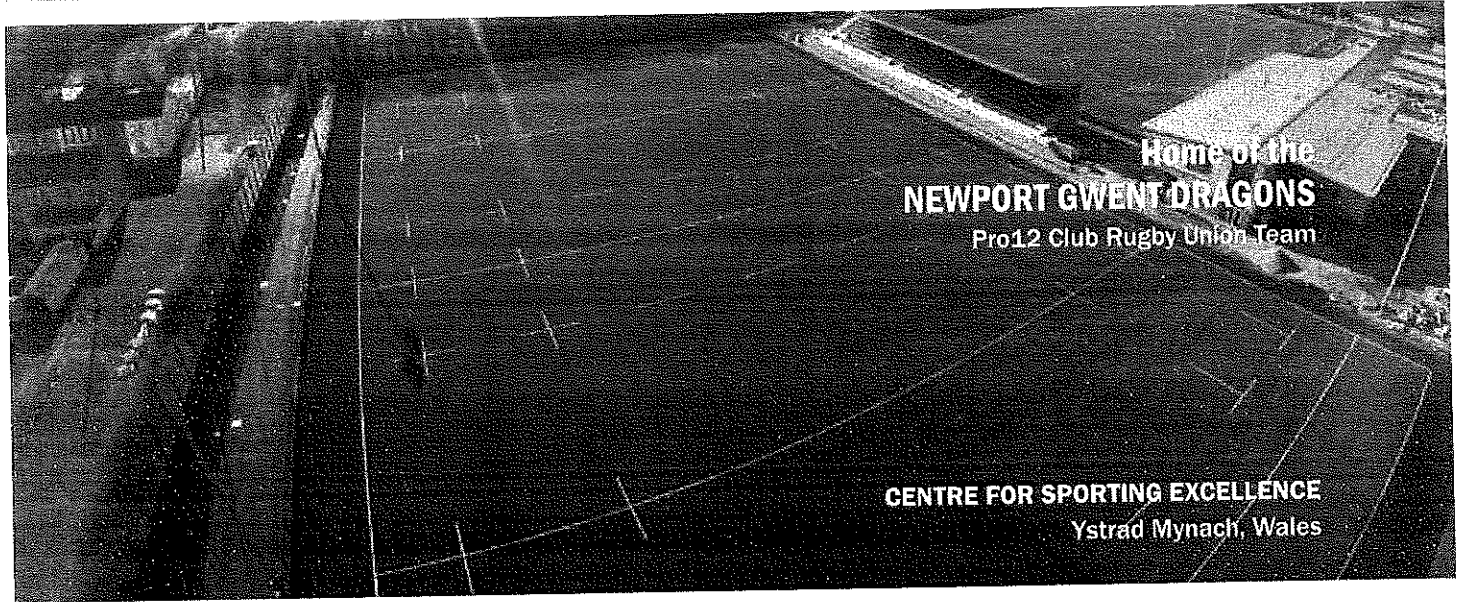
- ✓ Uniform ball behaviour



Xtreme lock backing

- ✓ Exceptional stitch bind >100N

RUGBY | **Play more.**



Home of the
NEWPORT GWENT DRAGONS
Pro12 Club Rugby Union Team

CENTRE FOR SPORTING EXCELLENCE
Ystrad Mynach, Wales

SPRINT
SCRUM
TACKLE
TRY



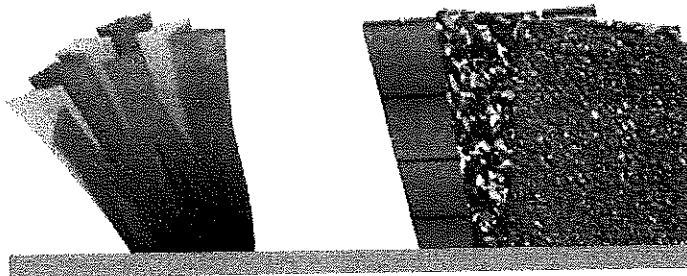
**WORLD RUGBY
PREFERRED
TURF PRODUCER**

Rugby players require a synthetic turf system which can enhance performance, withstand intense use and protect on impact.

- ✓ World Rugby Reg22 certified playing surfaces for elite and international level play
- ✓ Proven experience, infrastructure and performance



Blend



A quality blend of our highest performing monofilament and fibrillated fibres.



Designed For Top Clubs and Stadia

- ✓ Meets World Rugby Quality Guidelines
- ✓ Simulates natural grass game



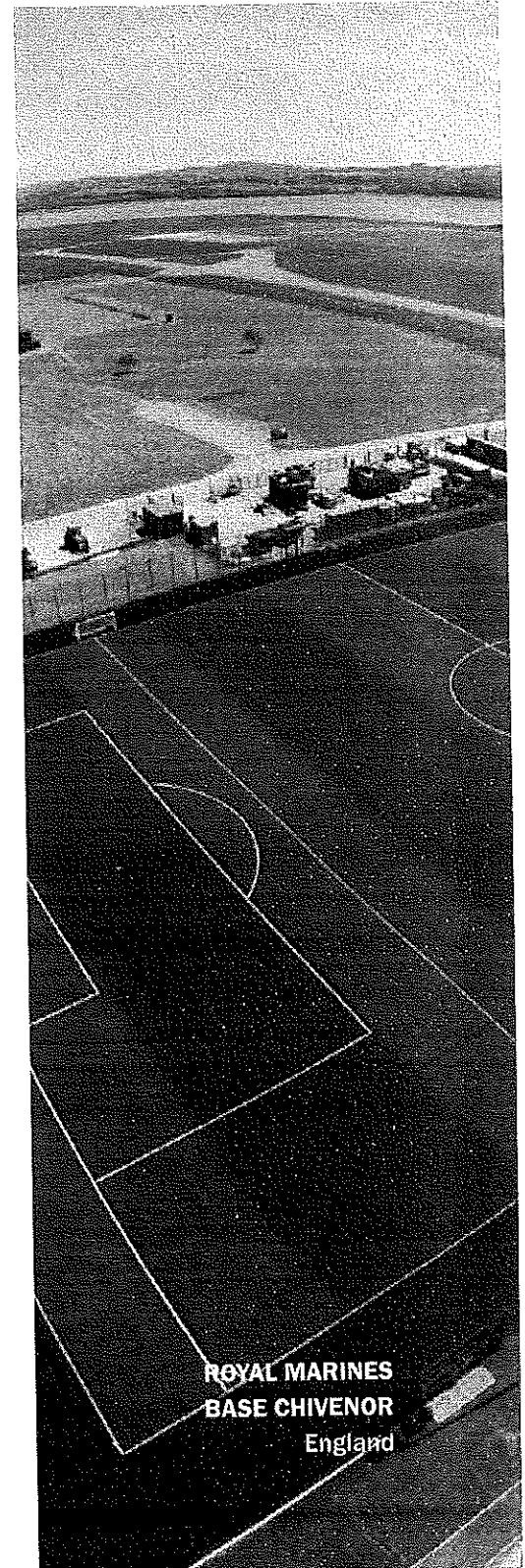
Player Safety and Comfort

- ✓ Quicker recovery from fatigue
- ✓ Ideal balance of shock absorption and vertical deformation (meets HIC)
- ✓ Higher yarn density increases player comfort



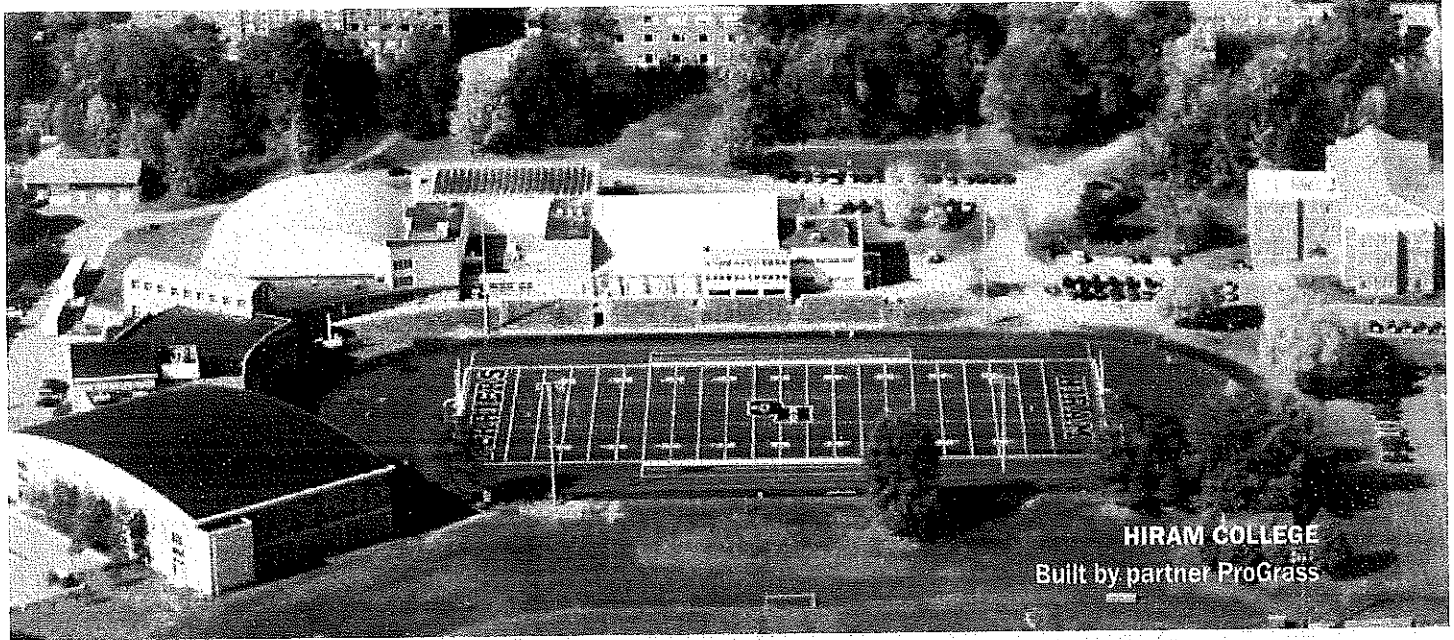
Premium System

- ✓ 17,500 Dtex per stitch
- ✓ 3 unique grass fibres in every stitch
- ✓ Fibrillated fibres reach 140,000 lifespan cycles and limit infill splash
- ✓ Skin friendly monofilament



**ROYAL MARINES
BASE CHIVENOR
England**

AMERICAN FOOTBALL | **Play more.**



HIRAM COLLEGE
Built by partner ProGrass

SNAP
PASS
TACKLE
TOUCHDOWN

PROTECT AND PERFORM

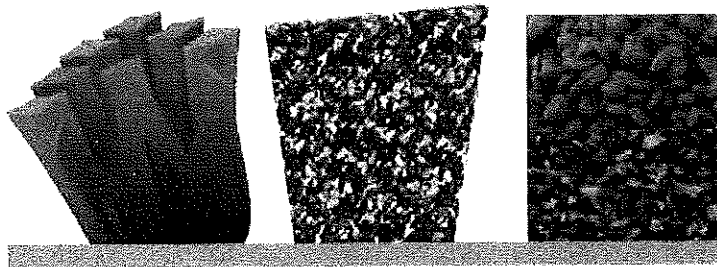
Safety and durability are of the utmost importance for American Football players. We consider the unique needs of high impact sports to design systems which protect on impact while enhancing performance.

✓ Xtreme Turf benchmarked against top natural grass at Texas A&M



600+ AMERICAN FOOTBALL FIELDS

Blend



A quality blend of our highest performing monofilament and fibrillated fibres.



Designed For Professional Play

- ✓ Simulates natural grass game



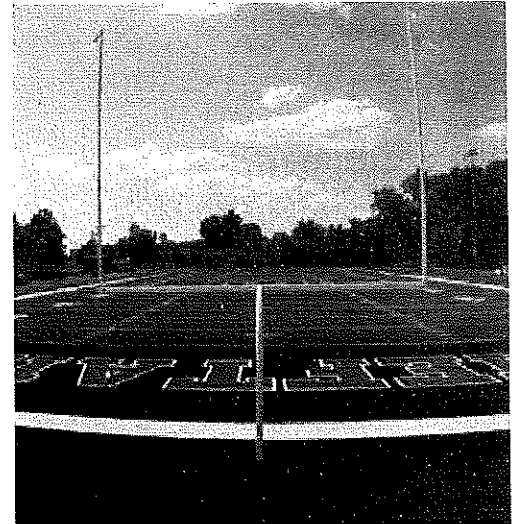
Player Safety and Comfort

- ✓ Quicker recovery from fatigue
- ✓ Ideal balance of shock absorption (g-max) and vertical deformation
- ✓ Higher yarn density increases player comfort



Premium System

- ✓ Over 18,000 Dtex per stitch
- ✓ 3 unique grass fibres in every stitch
- ✓ Up to 140,000 lifespan cycles



HOCKEY | **Play more.**



PUSH
PASS
SHOOT
SCORE



FIH PREFERRED SUPPLIER

As a preferred supplier, Act Global is committed to the highest industry standards to grow and sustain the game of hockey. We engineer high performing, FIH-approved turf systems, suitable for all levels of play, from elite to developmental hockey.



Designed for **SPEED AND PRECISION**



Professional Hockey System

- ✓ Advanced texturized fibre technology
- ✓ Glass-reinforced backings



High Speed Play

- ✓ Flat, fast surface
- ✓ Lower surface friction



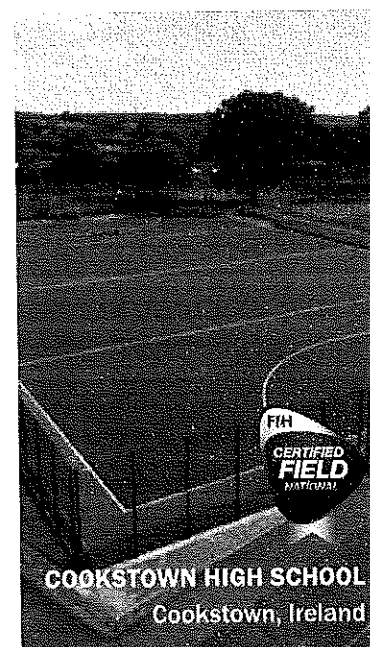
Excellent Surface Interaction

- ✓ Free-moving fibres enhance player footing and stick movements



Uniform Surface

- ✓ Technical accuracy
- ✓ Consistent ball roll and rebound



BASEBALL | **Play more.**



WASHINGTON WILD THINGS
Built by partner ProGrass

RUN
SLIDE
SWING
PLAY

BASEBALL TURF

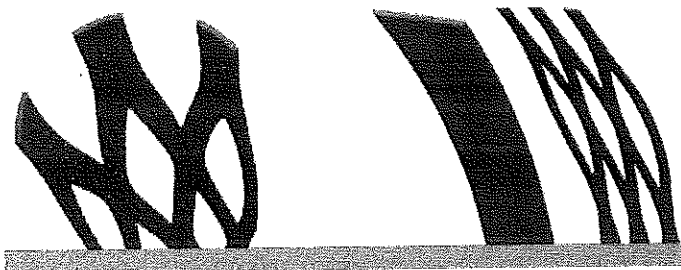
Consistent play to remove bad hops, replicate proper bounce on outfield fly balls, high drainage, extreme durability and long-term inlaid markings are just a few of the many benefits for baseball teams.

✓ Xtreme Turf benchmarked against top natural grass at New York Yankees and Houston Astros spring training facilities.



MOST DURABLE fibrillated system available

Fibrillated



Our FB Global yarn is proven, through extensive independent testing, to be the most durable fibrillated yarn product on the market.



Unrivaled Durability

- ✓ Ideal for high-intensity use
- ✓ Advanced UV stabilizers
- ✓ Reach 140,000 sport cycles



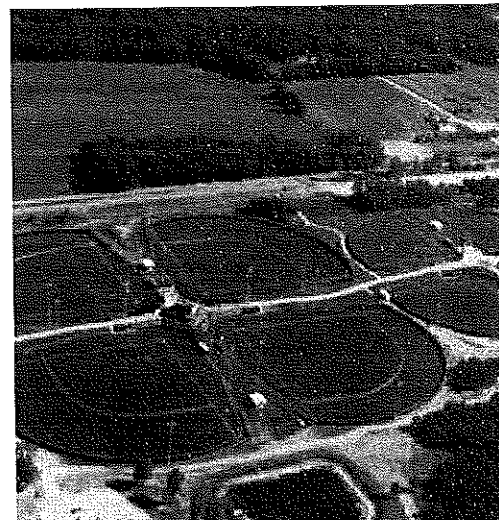
Player Performance

- ✓ Ideal traction and foot stability
- ✓ Low abrasion for player comfort



Better Infill Encapsulation

- ✓ Stable and reliable playing surface
- ✓ Fibrillated yarns encapsulate infill



Act Global's Xtreme Turf products and services are available through distribution partners in over 70 countries.

HEAD OFFICE | AMERICA

4201 West Park Dr Lane
Suite B-125
Austin, Texas 78727 USA

EUROPE

Dixperlovestraatweg 50
7122 AH Aalfen
The Netherlands

ASIA PACIFIC | MIDDLE EAST | AFRICA

P.O. BOX 53191
Limassol 3301
Cyprus

SALES OFFICE

AMERICAS: Arizona, Canada, Georgia and Texas
ASIA PACIFIC: China, Thailand and Australia
EUROPE: Cyprus, France, Netherlands, Poland and United Kingdom

ACTGLOBAL.COM / XTREMETURF | EMAIL: XTREMETURF@ACTGLOBAL.COM | PHONE: +1 512 734 8300

FELONY CONVICTION NOTICE

Statutory citation covering notification of criminal history of contractor is found in the Texas Education Code #44.034. Following is an example of a felony conviction notice:

State of Texas Legislative Senate Bill No. 1, Section 44.034, Notification of Criminal History, Subsection (a), states "a person or business entity that enters into a contract with a school district or ESC 8/TIPS must give advance notice to the district or ESC 8/TIPS if the person or an owner or operator of the business entity has been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of a felony."

Subsection (b) states "a school district may terminate a contract with a person or business entity if the district determines that the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The district must compensate the person or business entity for services performed before the termination of the contract."

THIS NOTICE IS NOT REQUIRED OF A PUBLICLY-HELD CORPORATION

Complete only one of the three below: A or B or C.

I, the undersigned agent for the firm named below, certify that the information concerning notification of felony convictions has been reviewed by me and the following information furnished is true to the best of my knowledge.

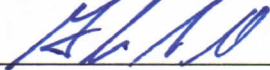
Official: **GLEN SWAFFORD**

Print Authorized Company Official's Name

A. My firm is a publicly held corporation; therefore, this reporting requirement is not applicable.

Signature of Authorized Company Official: _____

B. My firm is not owned nor operated by anyone who has been convicted of a felony:

Signature of Authorized Company Official:  _____

C. My firm is owned or operated by the following individual(s) who has/have been convicted of a felony:

Name of Felon(s): _____

Details of Conviction(s): _____

Signature of Authorized Company Official: _____

Federal Requirements for Procurement and Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms.

The Education Service Center Region 8 and TIPS anticipate possibly using federal funds for procurement under this potential award and is required to obtain the following compliance assurance.

1. Will you be subcontracting any of your work under this award if you are successful? (Circle one)

YES or NO

2. If yes, do you agree to comply with the following federal requirements? (Circle one)

YES or NO

2 CFR §200.321 Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms.


(a) The non-Federal entity must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible.

(b) Affirmative steps must include:

- (1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- (2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- (3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- (4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;
- (5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce ; and
- (6) Requiring the prime contractor, if subcontracts are to be let, to take the affirmative steps listed in paragraphs (1) through (5) of this section.

Company Name Vibra-Whirl Sports, Ltd.

Print name of authorized representative GLEN SWAFFORD

Signature of authorized representative 

Date March 19, 2014

CERTIFICATION BY CORPORATE OFFERER

IF OFFERER IS A CORPORATION,

THE FOLLOWING CERTIFICATE SHOULD BE EXECUTED AND INCLUDED AS PART OF PROPOSAL FORM/PROPOSAL FORM.

OFFERER: N/A
(Name of Corporation)

I, _____ certify that I am the Secretary of the Corporation
(Name of Corporate Secretary)

named as OFFERER herein above; that

(Name of person who completed proposal document)

who signed the foregoing proposal on behalf of the corporation offerer is the authorized person that is acting as

(Title/Position of person signing proposal/offer document within the corporation)

of the said Corporation; that said proposal/offer was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

CORPORATE SEAL

SIGNATURE

DATE

FAILURE TO PROPERLY COMPLETE THIS FORM AND SUBMIT WITH YOUR RESPONSE MAY RESULT IN A WAIVER OF YOUR RIGHTS UNDER THE LAW TO MAINTAIN CONFIDENTIALITY TREATMENT OF SUBMITTED MATERIALS.

CONFIDENTIAL INFORMATION SUBMITTED IN RESPONSE TO COMPETITIVE PROCUREMENT REQUESTS OF EDUCATION SERVICE CENTER REGION 8 AND TIPS IS GOVERNED BY TEXAS GOVERNMENT CODE, CHAPTER 552

If you consider any portion of your proposal to be confidential information and not subject to public disclosure pursuant to Chapter 552 Tex Gov't Code or other law(s), you **must make a copy of all claimed confidential materials within your proposal and put this COMPLETED form as a cover sheet to said materials then scan, name "CONFIDENTIAL" and upload with your proposal submission.** (You must include the confidential information in the submitted proposal as well, the copy uploaded is to indicate which material in your proposal, if any, you deem confidential in the event the District receives a Public Information Request.) Education Service Center Region 8 and TIPS will follow procedures of controlling statute(s) regarding any claim of confidentiality and shall not be liable for any release of information required by law. Pricing of solicited product or service may be deemed as public information under Chapter 552 Tex Gov't Code. The Office of Texas Attorney General shall make the final determination whether the information held by Education Service Center Region 8 and TIPS is confidential and exempt from public disclosure.

I DO NOT desire to expressly waive any claim of confidentiality as to any and all information contained within our response to the competitive procurement process (e.g. RFP, CSP, Bid, RFQ, etc.) by completing the following and submitting this sheet with our response to Education Service Center Region 8 and TIPS. The attached contains material from our proposal that I classify and deem confidential under Texas Gov't Code Sec. 552 or other law(s) and I invoke my statutory rights to confidential treatment of the enclosed materials:

Name of company claiming confidential status of material

Printed Name, Title, and Signature of authorized company officer claiming confidential status of material

Address City State ZIP Phone

ATTACHED ARE COPIES OF _____ PAGES OF CONFIDENTIAL MATERIAL FROM OUR PROPOSAL

Express Waiver: I desire to expressly waive any claim of confidentiality as to any and all information contained within our response to the competitive procurement process (e.g. RFP, CSP, Bid, RFQ, etc.) by completing the following and submitting this sheet with our response to Education Service Center Region 8 and TIPS.

VIBRA WHIRL SPORTS, LTD

Name of company expressly waiving confidential status of material

GLEN SWAFFORD, PRESIDENT

Printed Name, Title, and Signature of authorized company officer expressly waiving confidential status of material

PO BOX 966, 94 MAIN STREET PANHANDLE TX 79068-0966 806-537-3526

Address City State ZIP Phone

TUCKER & DUNN

bonds and insurance

February 27, 2017

The Interlocal Purchasing System (TIPS)
Region 8 Education Service Center
4845 US Hwy 271 North
Pittsburg, TX 75686

Re: Vibra-Whirl Sports, Ltd. – Surety Bond Program

To Whom It May Concern.

This letter confirms that Vibra-Whirl Sports, Ltd. has a current bonding relationship with SureTec Insurance Company. SureTec Insurance Company is rated “A (Excellent)” in the 2016 edition of the A.M. best Key Rating Guide. SureTec Insurance Company also is listed in the Federal Register of acceptable sureties on federal jobs.

SureTec Insurance Company has extended surety credit for Vibra-Whirl Sports, Ltd. on “single jobs” in excess of \$1,500,000 with a “total work program” in excess of \$5,000,000. Vibra-Whirl Sports, Ltd. has shown the remarkable ability to tackle the toughest construction problems and bring the project in under budget and in a timely fashion. The firm adheres to the highest construction and ethical standards. The surety department of SureTec Insurance Company regards Vibra-Whirl Sports, Ltd. as one their premier track and field contractors in Texas.

We understand that Vibra-Whirl Sports, Ltd. has submitted a proposal for your RFP 170204 Sports, Activity Equipment and Related Services project. We certainly would give Vibra-Whirl Sports, Ltd. our highest recommendation for this project. Immediately upon receipt of a contract, upon surety approval, and at the request of our contractor, we will be happy to issue the necessary Performance and Payment bonds.

If you have any questions in this matter, please do not hesitate to give me a call.

Yours Truly,



Kevin J. Dunn, Attorney-In-Fact

SureTec Insurance Company

LIMITED POWER OF ATTORNEY

Know All Men by These Presents, That SURETEC INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Texas, and having its principal office in Houston, Harris County, Texas, does by these presents make, constitute and appoint

Tracy Tucker, W. Lawrence Brown, Steven M. Tucker, Kevin J. Dunn, Tanner Langston

its true and lawful Attorney-in-fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include waivers to the conditions of contracts and consents of surety for:

Five Million and 00/100 Dollars (\$5,000,000.00)

and to bind the Company thereby as fully and to the same extent as if such bond were signed by the President, sealed with the corporate seal of the Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney-in-Fact may do in the premises. Said appointment shall continue in force until 5/18/2017 and is made under and by authority of the following resolutions of the Board of Directors of the SureTec Insurance Company:

Be it Resolved, that the President, any Vice-President, any Assistant Vice-President, any Secretary or any Assistant Secretary shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

Attorney-in-Fact may be given full power and authority for and in the name of and of behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements or indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be binding upon the Company as if signed by the President and sealed and effected by the Corporate Secretary.

Be it Resolved, that the signature of any authorized officer and seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached. (Adopted at a meeting held on 20th of April, 1999.)

In Witness Whereof, SURETEC INSURANCE COMPANY has caused these presents to be signed by its President, and its corporate seal to be hereto affixed this 21st day of March, A.D. 2013.

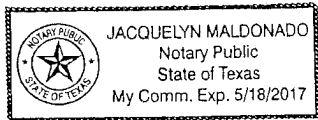


SURETEC INSURANCE COMPANY

By: [Signature]
John Knox Jr., President

State of Texas ss:
County of Harris

On this 21st day of March, A.D. 2013 before me personally came John Knox Jr., to me known, who, being by me duly sworn, did depose and say, that he resides in Houston, Texas, that he is President of SURETEC INSURANCE COMPANY, the company described in and which executed the above instrument; that he knows the seal of said Company; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company; and that he signed his name thereto by like order.



[Signature]
Jacquelyn Maldonado, Notary Public
My commission expires May 18, 2017

I, M. Brent Beaty, Assistant Secretary of SURETEC INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Company, which is still in full force and effect; and furthermore, the resolutions of the Board of Directors, set out in the Power of Attorney are in full force and effect.

Given under my hand and the seal of said Company at Houston, Texas this 27th day of February, 2017, A.D.

[Signature]
M. Brent Beaty, Assistant Secretary

Any instrument issued in excess of the penalty stated above is totally void and without any validity.
For verification of the authority of this power you may call (713) 812-0800 any business day between 8:00 am and 5:00 pm CST.



STATE OF TEXAS ~
COUNTY OF CARSON ~

AFFIDAVIT OF WARRANTY

On this the _____ day of _____, 2017, personally appeared before me the undersigned Notary Public, Glen Swafford, President of Vibra-Whirl Sports, Ltd., of Panhandle, Texas, who on his oath made the following affidavit:

Vibra-Whirl Sports, Ltd., manufacturer and installer of Polyurethane Surface Systems, warrants the Spiketop "TYPE" Surface installed on the athletic track facilities located at Name of School and Location shall be free from defects in workmanship, labor and materials under normal use and service for a period of 60 months from the date of Substantial Completion subject to the conditions as listed below. Track striping and markings shall be warranted to be free from defects in workmanship and materials for a period of 24 months subject to the conditions as listed below. This warranty shall remain in force and effect provided that the damages claimed have not been caused by improper design or engineering, by the failure of an inadequate or defective base, by the inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty shall remain in force and effect provided that the owner properly maintains constant moisture in the surrounding soils on both the inside and the outside of the track's surface. This warranty shall remain in force and effect provided that the Owner does not allow abuse, neglect, the use of improper footwear or equipment, deliberate acts, static or dynamic loads exceeding Vibra-Whirl Sports, Ltd. recommendations, or the use of improper cleaning methods to the track surface. Acts of God are specifically excluded from this warranty. All warranty claims must be addressed in writing to Vibra-Whirl Sports, Ltd. stating the specifics of any requested warranty repairs.

Track Surfacing – _____

Track Striping – _____

Vibra-Whirl Sports, Ltd.

By _____
Glen Swafford, President

SUBSCRIBED and SWORN BEFORE ME, this _____ day of _____, 2017

Notary Public



WARRANTY REQUIREMENTS FOR USE AND MAINTENANCE OF VIBRA-WHIRL TRACK SURFACES

- 1) Keep surface clean. Remove mud, before dry, and accumulations of sand or soil. Blow off the track on a regular basis (monthly). Frequency will result in extending the life of the surface.
- 2) Eliminate grass and other vegetation immediately. Remove vegetation that grows through the surface. Do Not let running grasses grow over the surface of the track and field event areas. Special care should be taken where there is no curb as grass can undermine the base causing the asphalt and surface to deteriorate. We recommend that the edges of the track and field events are treated a minimum of twice annually with a soil sterilant to eliminate vegetation, which may encroach into the track or track surface. Do Not use a weed eater on the track to eliminate vegetation, as it will destroy the surface.
- 3) Eradicate insect/ant infestation in the track base or surfacing.
- 4) Provide protection, such as plywood, in any areas subject to equipment traffic and in areas of high pedestrian traffic. Indoor-outdoor carpet serves this purpose in areas of light pedestrian traffic, football teams, cheerleaders, etc.
- 5) Do Not permit any vehicles to be driven on the track surface. If vehicles need to cross the track, a minimum of two (2) layers of thick plywood should be used as protection. If unprotected, damage will result from sudden stops and starts, prolonged parking, and turning the steering wheel while the vehicle is stopped.
- 6) Do Not permit bicycles, two wheelers, three wheelers, wheelchairs, strollers, roller blades, skates, etc., on the track surfacing.
- 7) Do Not spill gasoline, kerosene, oil or any other petroleum derivatives, or solvents on the track surface. In the event of an accidental spill of an oil base material, the surface should be flushed thoroughly with detergent and water solution.
- 8) Do Not permit spikes longer than 3/16" to be used by runners. Do Not permit waffle type soles, cleats, or hard sole shoes to be used on the track.
- 9) Do Not permit sharp, hard objects such as bicycle stands, bench legs, standards, etc., to be placed on the track without proper protection. Refer to # 4 above.
- 10) Do Not place high jump and pole vault pads and standards on the track surface.
- 11) For extended life, we suggest use of the outer lanes for practice and jogging.
- 12) Minor repairs may be accomplished by local maintenance. This material is available from Vibra-Whirl Sports, Ltd. Instructions will be provided with materials.
- 13) Insure that the moisture content is consistent around the inside and outside of the track. This is important, as the track will crack during dry seasons when constant moisture content is not sustained. Many keep consistent moisture content on the inside as the football field is irrigated. An irrigation system may be needed on the outside of the track to obtain consistent moisture content.
- 14) Use only paint recommended by Vibra-Whirl Sports, Ltd. to touch up markings and for restriping. Paint is available through Vibra-Whirl Sports, Ltd.
- 15) All warranty issues will be addressed in writing to Vibra-Whirl Sports, Ltd. stating specifics of warranty repairs.



STATE OF TEXAS ≈
COUNTY OF CARSON ≈

AFFIDAVIT OF WARRANTY

On this the ___ day of _____, 2017, personally appeared before me the undersigned Notary Public, Glen Swafford, President of Vibra-Whirl Sports, Ltd., of Panhandle, Texas, who on his oath made the following affidavit:

Vibra-Whirl Sports, Ltd., manufacturer and installer of Latex Surface Systems, warrants the Omni "TYPE" Surface installed on the athletic track facilities located at School Name, City, State shall be free from defects in workmanship, labor and materials under normal use and service for a period of 36 months from the date of Substantial Completion subject to the conditions as listed below. Track striping and markings shall be warranted to be free from defects in workmanship and materials for a period of 24 months subject to the conditions as listed below. This warranty shall remain in force and effect provided that the damages claimed have not been caused by improper design or engineering, by the failure of an inadequate or defective base, by the inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty shall remain in force and effect provided that the owner properly maintains constant moisture in the surrounding soils on both the inside and the outside of the track's surface. This warranty shall remain in force and effect provided that the Owner does not allow abuse, neglect, the use of improper footwear or equipment, deliberate acts, static or dynamic loads exceeding Vibra-Whirl Sports, Ltd. recommendations, or the use of improper cleaning methods to the track surface. Acts of God are specifically excluded from this warranty. All warranty claims must be addressed in writing to Vibra-Whirl Sports, Ltd. stating the specifics of any requested warranty repairs.

Track Surfacing- _____, 2017
Track Striping- _____, 2017

Vibra-Whirl Sports, Ltd.

Glen Swafford, President

SUBSCRIBED AND SWORN TO BEFORE ME, this ___ day of _____, 2017

Notary Public



WARRANTY REQUIREMENTS FOR USE AND MAINTENANCE
OF VIBRA-WHIRL TRACK SURFACES

1. Keep surface clean. Remove mud, before dry, and accumulations of sand or soil. Blow off the track on a regular basis (monthly). Frequency will result in extending the life of the surface.
2. Eliminate grass and other vegetation immediately. Remove vegetation that grows through the surface. Do Not let running grasses grow over the surface of the track and field event areas. Special care should be taken where there is no curb as grass can undermine the base causing the asphalt and surface to deteriorate. We recommend that the edges of the track and field events be treated a minimum of twice annually with a soil sterilant to eliminate vegetation which may encroach into the track or track surface. Do Not use a weed eater on the track to eliminate vegetation, as it will destroy the surface.
3. Eradicate insect/ant infestation in the track base or surfacing.
4. Provide protection, such as plywood, in any areas subject to equipment traffic and in areas of high pedestrian traffic. Indoor-outdoor carpet serves this purpose in areas of light pedestrian traffic, football teams, cheerleaders, etc.
5. Do Not permit any vehicles to be driven on the track surface. If vehicles need to cross the track, a minimum of two (2) layers of thick plywood should be used as protection. If unprotected, damage will result from sudden stops and starts, prolonged parking, and turning the steering wheel while the vehicle is stopped.
6. Do Not permit bicycles, two wheelers, three wheelers, wheelchairs, strollers, roller blades, skates, etc., on the track surfacing.
7. Do Not spill gasoline, kerosene, oil or any other petroleum derivatives, or solvents on the track surface. In the event of an accidental spill of an oil base material, the surface should be flushed thoroughly with detergent and water solution.
8. Do Not permit spikes longer than 3/16" to be used by runners. Do Not permit waffle type soles, cleats, or hard sole shoes to be used on the track.
9. Do Not permit sharp, hard objects such as bicycle stands, bench legs, standards, etc., to be placed on the track without proper protection. Refer to # 4 above.
10. Do Not place high jump and pole vault pads and standards on the track surface.
11. For extended life, we suggest use of the outer lanes for practice and jogging.
12. Minor repairs may be accomplished by local maintenance. This material is available from Vibra-Whirl Sports, Ltd. Instructions will be provided with materials.
13. Insure that the moisture content is consistent around the inside and outside of the track. This is important, as the track will crack during dry seasons when a constant moisture content is not sustained. Many keep a consistent moisture content on the inside as the football field is irrigated. An irrigation system may be needed on the outside of the track to obtain a consistent moisture content.
14. Use only paint recommended by Vibra-Whirl Sports, Ltd. to touch up markings and for restriping. Paint is available through Vibra-Whirl Sports, Ltd.
15. All warranty issues will be addressed in writing to Vibra-Whirl Sports, Ltd. stating specifics of warranty repairs.



CORPORATE OFFICE | AMERICA

4201 West Parmer Lane
Suite B 175
Austin, Texas 78727 USA
+ 1.512.733.5300 Tel
+ 1.512.733.5326 Fax
www.ActGlobal.com

Eight Year Standard Warranty

Act Global Sports Technology Inc. ("Act Global") endeavors to use the highest quality materials and the latest manufacturing techniques in the production of Synthetic Turf. Our products are manufactured according to our product specifications. The fibers and backing are independently warranted by the respective supplier.

The Synthetic Turf supplied by Act Global is guaranteed against defects in workmanship for a period of eight years from the date of manufacturing.

The term "Synthetic Turf", as used herein, shall only include product supplied by Act Global. This guarantee shall not cover any defects, failure or damage in or to the Synthetic Turf, which is:

- a) subject to abuse, misuse, negligence or improper maintenance
- b) installed, repaired, altered or replaced by any person other than a pre-approved installer using pre-approved infill and installation materials and quantities.
- c) damaged, directly or indirectly, including but not limited to, on account of, accident, vandalism, machinery, spiked shoes, animals, misuse, fire, flood, chemical reactions, acts of God, static or dynamic loads exceeding Act Global specifications at time of installation, improper or faulty subsurface preparation, failure of the subsurface after installation including settling of the surface, and the use of dry cleaning fluids or improper cleaning methods
- d) exposed to light other than natural light or approved artificial light.

Synthetic turf is considered a consumable product; therefore, this warranty excludes wear and tear.

This guarantee is expressly in lieu of all conditions and warranties expressed or implied in fact or by law or otherwise, including without limitation, any implied conditions or warranties as to merchantability or fitness for a particular purpose. No person or party is authorized to create any obligation or liability for Act Global and only the guarantee expressed herein shall apply. Act Global's obligations under this guarantee are restricted to the repair or, at its sole option, replacement of all, or the affected parts covered herein. Act Global liability under this warranty is limited to the material value of the item to be repaired or replaced and only if maintenance has been performed and documented in accordance to Act Global's maintenance program.

Be More.

The remedy of repair or replacement set forth herein shall be sole remedy and Act Global shall have no other obligations or liability in connection with any matter or thing, including without limitation, damages for personal injury or damages related to lost revenue, increased costs, downtime costs and all other indirect or consequential damages.

Act Global endeavors to handle all warranty claims promptly and professionally conditional on customer's account being in good standing at time of claim. It is agreed that all claims by purchaser made under the foregoing guarantee shall be invalid and null and void unless made in writing to Act Global within eight years from date of manufacture and within thirty days of learning of the cause giving rise to its claim. This Warranty is issued to the direct buyer of Act Global and is not transferable.

ACT GLOBAL SPORTS TECHNOLOGY INC.

Dated:

Signed:

SAMPLE



STATE OF TEXAS ≈
COUNTY OF CARSON ≈

ADD TO MANUFACTURER'S WARRANTY

On this the ____ day of _____, 2017, personally appeared before me the undersigned Notary Public, Glen Swafford, President of Vibra-Whirl Sports, Ltd., of Panhandle, Texas, who on his oath made the following affidavit:

Vibra-Whirl Sports, Ltd., installer of Synthetic Turf Systems, specifically, the "TYPE"™ surface installed on the athletic fields located at Anywhere High School, Any town, USA do hereby:

- a. obtain & provide a manufacturer's warranty that warrants materials and workmanship.
- b. warrant that the materials installed meet or exceed the product specifications.
- c. have a provision to either make a cash refund or repair or replace such portions of the installed materials that are no longer serviceable to maintain a serviceable and playable surface.
- d. obtain & provide a manufacturer's warranty that covers workmanship and all self-manufactured or procured materials.
- e. Warrant the sub-base and drainage system for the full term of the warranty.

This warranty does not apply to any damage to the surface which may be caused by improper design or engineering, or by the inherent characteristics of the earth or soil upon which the surface is installed, or by normal wear and tear. Furthermore, this warranty does not apply in the event the owner fails to maintain the product as in the Use & Maintenance Manual provided. This warranty does not cover any defect, failure, damage, or undue wear in or to the surface caused by or connected with abuse, neglect, deliberate acts, act of GOD, recommendations, or use of improper cleaning methods. All warranty issues will be addressed in writing to Vibra-Whirl Sports, Ltd. stating specifics of warranty repairs.

Vibra-Whirl Sports, Ltd.

By _____
Glen Swafford, President

SUBSCRIBED AND SWORN TO BEFORE ME, this ____ day of _____, 2017

Notary Public

Certification Regarding Lobbying

Applicable to Grants, Subgrants, Cooperative Agreements, and Contracts Exceeding \$100,000 in Federal Funds.

Submission of this certification is a prerequisite for making or entering into this transaction and is imposed by section 1352, Title 31, U.S. Code. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with the awarding of a Federal contract, the making of a Federal grant, the making of a Federal loan, the entering into a cooperative agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all covered subawards exceeding \$100,000 in Federal funds at all appropriate tiers and that all subrecipients shall certify and disclose accordingly.

VIBRA WHIRL SPORTS, LTD

PO BOX 966, PANHANDLE, TX 79068

Name/Address of Organization

GLEN SWAFFORD, PRESIDENT

Name/Title of Submitting Official



Signature

3-17-17

Date

PROCUREMENT

Instructions for Completion of SF-LLL, Disclosure of Lobbying Activities

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Use the SF-LLL-A Continuation Sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and / or has been secured to influence the outcome of a covered Federal Action.
2. Identify the status of the covered Federal Action.
3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal Action.
4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants, and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal Agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application proposal control number assigned by the Federal agency). Include prefixes, e.g. "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award / loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influence the covered Federal action.
(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item 4) to the lobbying entity (item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box(es). Check all boxes that apply. If other, specify nature.
14. Provide a specific and detailed description of the services that the lobbyist has performed, or will be expected to perform, and the date(s) of any services rendered. Include all preparatory and related activity, not just time spent in actual contact with Federal officials. Identify the Federal official(s) or employee(s) contacted or the officer(s), employee(s), or Member(s) of Congress that were contacted.
15. Check whether or not a SF-LLL-A Continuation Sheet(s) is attached.
16. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503.

CONFLICT OF INTEREST QUESTIONNAIRE
For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

VIBRA WHIRL SPORTS, LTD

2 Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

N/A
Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary. N/A

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?


Yes No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

Yes No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more. N/A

6 Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7

Signature of vendor doing business with the governmental entity

MARCH 14, 2017
Date



**AMERICAN
SPORTS BUILDERS
ASSOCIATION**

Through Its Certification Board
Has Conferred Upon

Glen Swafford

The Designation

CERTIFIED TRACK BUILDER

FOR EFFORTS TO RAISE THE PROFESSIONAL
STANDARDS OF RUNNING TRACK CONSTRUCTION
AND FOR HAVING SUCCESSFULLY FULFILLED THE
CONDITIONS OF ELIGIBILITY AND PASSED THE
REQUIRED EXAMINATION.

In witness whereof we have set our hands on
this 3/25 day of December, 2016.

Certification valid for a period of 3 years.



Executive Vice President

A handwritten signature in black ink, appearing to be "J.R.", written over a horizontal line.

Certification Chairman



9 Newport Drive, Suite 200
Forest Hill, MD 21050

866-501-ASBA (2722)
410.730.9595
Fax: 410.730.8833

January 26, 2017

This will verify that Glen Swafford currently employed by Vibra Whirl Sports, Ltd. with an address of P.O. Box 966, 94 Main Street, Panhandle, TX 79068 has been awarded the designation of Certified Track Builder (CTB) in the American Sports Builders Association (ASBA).

The Certified Builder Program was developed by the ASBA to help raise professional standards and to improve the practice of tennis court, running track and sports field construction. In order to obtain the certification designation, Mr. Swafford has passed a comprehensive written examination on construction and maintenance, and has fulfilled prescribed standards of experience to demonstrate a high level of expertise in construction.

The certification of Mr. Swafford was awarded in 2001, and remains in effect as long as the individual maintains the designation. The designation is maintained by compiling a prescribed number of activity points for work done within the industry, or by re-taking the exam. Certification is valid for three years following the original date and is maintained in three-year increments thereafter.

Certification is an individual designation, and is not awarded to, nor applicable to, the company for whom the certified individual works.

Should there be any question about the certification program, or about Mr. Swafford's designation, please contact ASBA at 866-501-ASBA (2722).



Certificate of Membership

This is to certify that

Vibra-Whirl, Ltd.

Is a Member of the Builder Division
of the

American Sports Builders Association

a nonprofit association, is a national organization for builders, designers, and suppliers of materials for tennis courts, running tracks, synthetic turf fields, indoor and outdoor synthetic sports surfaces. It is recognized as a centralized source for technical information, including construction guidelines.

The membership hereby conferred entitles the above named to use the name and membership mark of the Association on all proper forms, notices, and advertising subject to the conditions set forth in the By-Laws of the Association.

In Witness Whereof, The American Sports Builders Association has caused this certificate to be executed and its seal affixed by the Chairman and Secretary on December 5, 2004.



Secretary

Chairman



PREFERRED PRODUCER FOR FOOTBALL TURF

CERTIFICATE

FIFA is pleased to confirm that
ACT GLOBAL LTD.

is classed as a **PREFERRED PRODUCER** for Football Turf
valid

from 01/10/2015 to 30/09/2017

Total Quality Service is guaranteed by

- Additional expertise in civil engineering (subbase) and project management (general contractor)
- Full responsibility for the production, installation and maintenance from inception to completion
- High level of service and continuous development of football turf products
- Experience as a FIFA Quality Concept licensee with FIFA RECOMMENDED fields

Mr. Joseph S. Blatter
President Federation Internationale de Football Association

www.FIFA.com/footballturf