



SYNTHETIC TRACK SURFACING- REKORTAN® WBS RS - STRUCTURAL TEXTURED POLYURETHANE RESPRAY SPECIFICATION

PART 1- GENERAL

1.01 SUMMARY

A. The contract work to be performed under this section consist of furnishing all required labor, materials, equipment, implements, parts and supplies necessary for the track resurfacing in accordance with these specifications and indicated on the drawings.

1. Rekortan WBS RS – A running track respray surface made with an aliphatic, water-based textured structural polyurethane finish.

1.02 CODES AND STANDARDS

A. Codes and standards follow the current guidelines set forth by the World Athletics (WA), the National Collegiate Athletic Association (NCAA) or the National Federation of State High School Associations (NFHS). Track surface installation to conform with the appropriate governing body.

1.03 SUBMITTALS AND SUBSTITUTIONS

A. Request for deviations or substitutions from the specifications must be made in writing seven days prior to the bid date. Complete product data including specifications, application rates, mixing instructions and a sample shall be sent with the request to the district and/or its agent for an evaluation. Alternatives will be allowed only by addendum.

1. Submit a set of manufacturer's product data sheets including installation guidelines and maintenance guidelines.

1.04 QUALITY ASSURANCE

- A. The track surface will be applied by an installer authorized by Manufacturer and possess a minimum of five (5) years" experience installing Rekortan® systems.
- B. The supervisor, of the installing company, must have five (5) years' experience surfacing Rekortan® systems and must have installed a minimum of ten (10) World Athletics approved track systems within the last three (3) years.
- C. The manufacturer must offer a minimum of four (4) World Athletics certified track systems.
- D. The track surfacing company shall be a member of the American Sports Builders Association (ASBA) and employ a full-time Certified Track Builder (CTB) on staff.
- E. All material components must be procured from manufacturer, a single source. No substitutes allowed without written approval from manufacturer.
- F. **All polyurethanes used must be manufactured by an ISO 9001 and ISO 14001 Certified company. Manufacturer's ISO 9001 and ISO 14001 certificate must accompany bid.**



1.05 SITE CONDITIONS

- A. Weather: Surfacing shall not begin if rain is imminent, if gusting winds are occurring or when the threat of freezing exists within 24 hours.
- B. Site: During any surfacing and striping, sprinkler systems must be shut off or controlled so that no water falls on the track or event area surfaces. Other trades and school district personnel must stay off the wet or curing surface.
- C. Do not apply rubberized topping when base surface temperature is less than 50° F.
- D. The General Contractor shall provide temporary barriers as required to prevent public entry to construction area and to protect adjacent properties from damage during construction operation.

1.06 WARRANTY

- A. Provide manufacturers standard five (5) year warranty.

PART 2- PRODUCTS

2.01 SUPPLIER

Advanced Polymer Technology
109 Conica Lane; PO Box 160
Harmony, PA 16037
724-452-1330

2.02 MATERIALS (Must be manufactured by the companies closely held under one entity)

- A. Rekortan® RS- Running Track Resurfacing: A pigmented, one component Rekortan® structural polyurethane and colored rubber granules spray applied to provide a structural spray surface.

Materials include:

- 1. Rubber graded to .5-1.5mm or .5-2mm
- 2. Single Component Rekortan® Aliphatic, Water-based, Structural Spray (**products that contain isocyanates are not permitted**)
- 3. Rekortan Smart System

PART 3- EXECUTION

3.01 EXAMINATION

- A. Verify existing track surface for dimensional stability, strength, and surface preparation. Notify owner of any deficiencies.
- B. Existing track dimensions to be verified.
- C. Entire surface shall be clean and free of all dirt, oil, grease, or any other foreign residue. It is the responsibility of the General Contractor to ensure that the surface is thoroughly clean in all areas of the new and/or existing asphalt or concrete base as necessary to ensure adhesion of the track surface. Pressure washing entire running track surface may be required.



3.02 PRODUCT AND MATERIAL DESCRIPTION

- A. Rekortan® WBS RS – A track re-surfacing with an aliphatic, water-based textured, structural, polyurethane, finish. Two coats of a mixture of colored polyurethane and rubber, which are applied onto the existing surface to provide a new top course. Approximate rate of application 3.0 lbs per square yard.
- B. EPDM: rubber graded to .5-1.5mm or .5-2mm. It is to be dry and in sealed bags.
- C. Single Component Aliphatic, Water-based polyurethane: The current surface shall be coated with a pigmented, single component Rekortan® aliphatic, water-based polyurethane structural spray that is compatible with the rubber. Polyurethane coating cannot contain isocyanates or solvents.

3.03 APPLICATIONS PROCEDURES

- A. The entire surface shall be clean and free of dirt, oil, grease, or any other matter prior to application of the resurfacing materials. Any dirt, construction debris, etc. shall be pressure washed off the track surface by the general contractor.
- B. Perform all required patching to existing track surface. Mask and protect adjacent structures.
- C. Mix the waterborne polyurethane and rubber until thoroughly until all rubber particles are coated. The mixture should be sprayed in two separate applications. Apply the second coat, in an opposite direction as to the first. Apply specified amounts to achieve proper coverage. (Three coats may be required in cooler temperatures)

3.04 STRIPING

- A. All line marking paint shall be compatible and approved for the synthetic surfacing. Only an experienced track-striping specialist shall perform the line striping.

END OF SPECIFICATION