



Section 02569

SYNTHETIC TRACK SURFACING – SPURTAN B SPECIFICATION

PART 1 – GENERAL

1.01 SUMMARY

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

1. Spartan B – Polyurethane bound basemat running track surface

1.02 CODES AND STANDARDS

- A. Codes and standards follow the current guidelines set forth by the International Associations of Athletics Federation (IAAF), the National Collegiate Athletic Association (NCAA) or the National Federation of State High School Associations (NFHS).

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 three (3) sets of manufacturer’s product data sheets including installation guidelines and maintenance instructions.
 2. Submit three (3) representative track samples in the color of surfacing to be installed.
 3. Submit Material Safety Data Sheets (MSDS) for all individual components of the surfacing to be installed.

4. Submit evidence that the synthetic surfacing contractor is a member of the American Sports Builders Association (ASBA).

1.04 QUALITY ASSURANCE

- A. The track surface will be applied by an installer authorized by APT. The contractor shall have a current contractor's license, as well as a current sales tax and use tax number if applicable.
- B. Successful contractor will provide proof of insurance as well as performance and payment bonds.
- C. All polyurethanes used must be manufactured by an ISO 9001 Certified company.

1.05 SITE CONDITIONS

- A. Weather: Surfacing shall not be done when the threat of freezing exists for the following 24 hours, rain is imminent or gusting winds are occurring.
- B. Site: While surfacing and striping are being done, sprinkler systems must be curtailed, 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 40° F.
- D. 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 manufacturer's standard 3 year warranty for the Spurtan B System.

PART 2 – PRODUCTS

2.01 MANUFACTURER

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

2.02 MATERIALS

A. Spurtan B Running Track Surface: Polyurethane Bound permeable SBR basemat.

Materials include:

1. Qualipur Polyurethane Primer
2. SBR Broadcast Rubber
3. Qualipur Polyurethane Binder – Color Black

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Verify asphalt concrete paving for dimensional accuracy, strength, and surface preparation. Notify owner of any deficiencies. Recommended compaction of asphalt and sub base is 95%.
- B. It is the responsibility of the paving contractor to water flood the surface with the use of a water truck. If after 30 minutes of a 70° F day, “bird bathes” are evident in a depth more than 1/8” the paving contractor, track surfacing contractor and the owner’s representative will determine the best method of correction.
- C. Entire surface shall be clean and free of all dirt, oil, grease or any other foreign matter. It is the responsibility of the general contractor to thoroughly clean and/or pressure wash all areas of the new and/or existing asphalt or concrete base as necessary to ensure adhesion of the track surface.
- D. Minimum curing time for base prior to beginning of surfacing is 14 days for new asphalt paving and 28 days for new concrete. No concrete curing compounds are allowed.
- E. Beginning installation stipulates track installer “accepts” existing conditions. Adhesion to the existing asphalt is the surfacing contractor’s responsibility.

3.02 PRODUCT AND MATERIAL DESCRIPTION

- A. The Spurtan B Synthetic surface shall be an average finish depth of 13 mm thick, permeable, paved in place rubber granule and black polyurethane binder basemat.

- B. Rubber (SBR Broadcast): The basemat rubber shall be specifically graded Styrene Butadiene Rubber (SBR). Final gradation is to be 1.0 – 3.0 mm granulated SBR. SBR is to be dried no less than 2.5% moisture sealed in bags.
- C. Basemat Binder: The basemat shall be bound by a moisture-cured liquid Qualipur polyurethane, compatible with the basemat rubber. The Qualipur polyurethane system for the Spurtan B System shall be black in color. No asphaltic emulsions or epoxies are allowed in the basemat. The basemat shall be paved with a specially designed track-paving machine to an average finish depth of 13 mm. No machine sprayed basemat systems will be allowed.

3.03 APPLICATIONS PROCEDURES

- A. The entire surface shall be clean and free of dirt, oil, grease or any other matter upon arrival of the installation team. Any dirt, etc. shall be pressure washed off the base by the general contractor.
- B. Prime entire surface area with a compatible Qualipur polyurethane primer. Qualipur 1030 for asphalt and Qualipur 1230 for concrete or over an existing surface at an approximate rate of 0.16 kg/m^2 (0.30 lbs/yd^2).
- C. The basemat is to be applied at an approximate rate of 10.57 kg/m^2 (19.5 lbs/yd^2) of SBR broadcast rubber to provide an average finish depth of 13 mm thick mat. The SBR rubber basemat is to be bound together by black Qualipur polyurethane binder at an approximate rate of 2.60 kg/m^2 (4.80 lbs/yd^2). The installation of the basemat is to be performed with the use of a paving machine that is specifically designed for this type of application.

3.04 STRIPING AND MONUMENTATION

- A. The contractor shall consult with the owner prior to the start of their calculations for determination of the finish line location, events to be run, location of lane numbers and additional paint markings.
- B. All line marking paint is to be approved by the synthetic surfacing manufacturer. Only an experienced track striping specialist shall perform the line striping.

END OF SPECIFICATION – SPURTAN B