

No Fault BR Track Surface

Product Specification

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By No Fault Service Company, LLC

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GUIDE SPECIFICATIONS FOR A POLYURETHANE & STRUCTURAL SPRAY RUNNING TRACK

PART 1 – GENERAL

1.01 Work Included

This work includes furnishing and installing a synthetic all-weather running track surface.

1.02 Description of System and General Conditions

This specification is for a with synthetic track surface of permeable design consisting of a polyurethane –bound black rubber base mat with a spray –applied structural coating of polyurethane-based pigmented binder and encapsulated pigmented EPDM rubber granules a total depth of 1/2” (nominal).

The result will be a durable, resilient, pervious, all weather surface, which may be placed over asphalt running tracks and all field events. It may also be used to resurface an existing all weather tracks, including rubberized asphalt providing the existing surface has good structural integrity and planarity.

1.03 Contractors Responsibility

- A. Furnishing all labor, materials, and equipment to fully execute job.
- B. Furnish and maintain temporary flagging and barricades as required to protect employees and public at all times.
- C. Daily clean-up of trash and debris
- D. Contractor must carry proper insurance, as shown below, with a 30 day cancellation notice on all policies.

1.04 Insurance Requirements

- A. Commercial General Liability
 - General Aggregate \$2,000,000
 - Personal Injury \$1,000,000 per occurrence
 - Each occurrence \$1,000,000
 - Products – Completed Operations Aggregate \$2,000,000
- B. Commercial Business Automobile Liability
 - Combined Single Limit of \$1,000,000 per occurrence
- C. Workers’ Compensation
 - Bodily Injury by Accident \$1,000,000 per accident
 - Bodily Injury by Disease \$1,000,000 per accident
- D. Excess / Umbrella Liability \$4,000,000 per occurrence

1.05 Quality Assurance

- A. Contractor shall provide owner with a reference letter of good standing from the material manufacturer.
- B. All bidders must also submit Material Safety Data Sheets (MSDS) and Product Data Sheets on all materials.

1.06 Warranty

- A. Track surface shall be warranted for labor and materials for a period of no less than two (2) years.

PART 2-PRODUCTS AND MATERIALS

2.01 Products

Product shall be **No Fault BR Track Surface** as manufactured and sold by No Fault Sport Group, LLC. No Fault BR Track Surface shall consist of synthetic poured-in-place track surfacing meeting the requirements of this specification. It shall be manufactured and installed by No Fault Sport Group, LLC (866-637-7678 www.nofault.com) and its certified installation crews.

NOTE – Other products will be allowed only if prior approved as per Section 2.03 Product Substitutions & Approved Equals

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2.02 Materials

- A. PRIMER- Polyurethane-base primer- specifically formulated to be compatible with the base and track surfacing materials.
- B. BASE MAT – one of the following
 1. SBR GRANULATE - Recycled SBR rubber – chopped, processed, and graded to 1-3 mm in size with not less than 4% retained on a number 50 sieve – with no trace of fiber or steel.
 2. EPDM GRANULATE – Optional – Synthetic black EPDM rubber – chopped, processed and graded to 1-4 mm in size.
- C. POLYURETHANE BASE MAT BINDING AGENT – Single component, MDI-based polyurethane binder, compatible with both SBR and EPDM rubber granulate.
- D. POLYURETHANE STRUCTURAL SPRAY COATING BINDER – A two component system consisting of a single component, MDI-based polyurethane binder, mixed with a polyurethane base color paste. Color as selected by owner.
- E. LINE MARKING PAINT – Polyurethane based paint specifically manufactured to be compatible with polyurethane synthetic track surfaces.

2.03 Product Substitutions & Approved Equals

- A. All product substitutions must be submitted for preapproval at least fourteen (14) days prior to bid opening date. A complete submittal package, as outlined in Section 1.03 Submittals, must be provided before a substitute product will be considered for preapproval. If the product submitted for preapproval cannot meet all requirements of the submittal package, it will not be considered.
- B. Once all products submitted for substitution have been reviewed, a list of the approved substitutes will be circulated and made available to bidders.

PART 3- INSTALLATION PROCEDURE

3.01 Base Requirements

- A. For general specification for the construction of a track, refer to the American Sports Builders Association (United States Tennis Court and Track Builders Association).
- B. The layout, structural integrity, drainage and planarity are to be checked by owner or architect prior to the commencement of the surfacing work.
- C. Before application of the surface course, the asphalt base should be tested for planarity using a 10' straight edge.
- D. There shall be no deviation from the specified grade in either the stone or the asphalt in excess of 1/4" in a 10' area. The slope is to be 1% (a maximum of 2% is allowed for High School standards).
- E. Asphalt base shall be allowed to cure a minimum of twenty-one (21) days and moisture content must be less than 3.0% prior to commencement of surfacing.
- F. Concrete base shall be allowed to cure a minimum of twenty-eight (28) days and moisture content must be less than 3.0% prior to commencement of surfacing.

3.02 Preparation

- A. Scheduling – The track shall be installed after the subsurface has been properly prepped and cured.
- B. Cleaning – The area to be surfaced shall be clean and free of any loose or foreign particles (dirt, oil, etc) prior to the commencement of work.
- C. Priming – All asphalt that is to be surfaced shall be primed.
- D. Weather Conditions - Ambient and surface temperatures must be 40°F and rising. Installation should not be conducted during rainfall or when rainfall is imminent.

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3.03 Installation

A. BASE MAT

1. The base mat shall consist of a mixture of polyurethane binder and SBR or optional EPDM rubber granules.
2. The mixing ration shall be a minimum of 20% polyurethane binder as determined by the overall weight of the rubber granules per mix.
3. The mixture shall be prepared in a clean and dry mechanical mixer until a homogeneous mixture is obtained.
4. The blended material shall be applied by a mechanically operated finisher with an electronically heated finishing screen bar.
5. All joint work shall be troweled flush with the adjacent base mat. Cured joints shall have their edges primed with the base mat binding agent prior to the application of the adjacent base mat.

B. STRUCTURAL SPRAY COATING

1. After the initial cure is complete, the base mat shall receive two coats of structural spray consisting of approximately 60% pigmented polyurethane structural spray binder and 40% pigmented EPDM structural spray rubber granulate.
2. Structural spray shall be applied in two coats so as to achieve a uniform application.
3. The color of the finished spray coating shall be Black, Red, Beige, Green, Blue or as specified by owner.

3.04 Lane Striping & Event Markings

- A. The measurements and markings of lines and events shall be performed in accordance with the requirements of the appropriate governing body (NFSHSA, HCAA, IAFF).
- B. The paint used shall be a Polyurethane based paint specifically manufactured to be compatible with polyurethane synthetic track surfaces latex paint as accepted by owner or architect.

3.05 Protection

- A. Surface installation crew shall be responsible for the protection of the track surface only during the application process of the materials.
- B. Owner or General Contractor shall be responsible for the protection of the track surface during the curing period, and upon completion of the installation.

3.06 Clean Up

- A. Manufacturer's installers shall not leave material on adjacent surface. Spills of excess adhesive shall be promptly cleaned.
- B. Manufacturer's installers shall properly dispose of all material and packing waste before leaving the job site.
- C. Owner or contractor shall be responsible for supplying a dumpster at job site for all waste associated with installation of the tennis surface.