

# No Fault Latex Track Surface

## Product Specification

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### GUIDE SPECIFICATIONS FOR A FOUR LAYER (3/8") BLACK LATEX RUNNING TRACK

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#### 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 four (4) layer Latex Track Surface with a total depth of 3/8" (nominal). Each layer shall be a mixture of uniform graded rubber granules bound with fortified latex binders. 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 Pre-Qualification Requirements

- A. Contractor must have experience with similar projects, and must provide owner with list of jobs completed within the last 5 years.
- B. Contractor must supply owner with sample of proposed product for prior approval.
- C. Contractor must be a member in good standing with the "American Sports Builders Association" (United States Tennis Court and Track Builders Association). This is to ensure that the contractor has met the requirements set forth to be able to perform this specialty work.
- D. Contractor should be licensed in the state of which the work is to be performed.

##### 1.04 Contractors Responsibility

- A. Furnishing all labor, materials, equipment and taxes 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 notification on all policies.

##### 1.05 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 \$5,000,000 per occurrence

##### 1.06 Quality Assurance

- A. Upon request from owner, Contractor shall supply owner with a list of similar projects and its contacts that have been successfully completed within the last three years. (Pictures may be required)
- B. Contractor shall provide owner with a reference letter of good standing from the material manufacturer.
- C. All bidders must also submit Material Safety Data Sheets (MSDS) and Product Data Sheets on all materials.

##### 1.07 Warranty

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

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### PART 2-PRODUCTS AND MATERIALS

#### 2.01 Products

Product shall be **No Fault Latex Track Surface** as manufactured and sold by No Fault Sport Group, LLC. No Fault track surface shall consist of synthetic 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](http://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

#### 2.02 Materials

- A. All materials used must be emulsion/water based products.
- B. Any products which require solvents such as MEK, Butyl Cellusolve or Acetone for clean up or mixing are not acceptable.
- C. Latex Primer shall be a latex emulsion with a minimum of 50% solids by weight, and shall be approved for running track applications.
- D. Latex Binder shall be a specially formulated and pigmented water-based latex emulsion resin with a minimum 44.7% solids by weight and be approved for running track applications.
- E. Rubber Granules shall all be EPDM and shall have a minimum EPDM content of 25% by weight. The rubber granules shall be control gradation containing minimum dust (less than 4% on a No. 30 sieve). All layers shall consist of EPDM rubber. No SBR rubber will be allowed within the scope of this product.
- F. Line Paint – Line Paint shall be 100% Acrylic Resin containing no alkyds or vinyl co-polymer constituents and a minimum of 53.1% solids by weight, and approved by track surface manufacturer.

#### 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 fourteen (14) days prior to commencement of surfacing.
- F. Concrete base shall be allowed to cure a cure a minimum of thirty (30) days 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 entire subsurface shall be clean, dry and free from any foreign and loose material.
- C. Priming – All asphalt that is to be surfaced shall be primed.

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- D. Weather Conditions - Ambient and surface temperatures must be 50°F and rising, however do not apply when surface temperature is in excess of 140°F. Installation should not be conducted during rainfall or when rainfall is imminent.

### 3.03 Installation

- A. All latex application shall be applied by method of pump and compressor spray machines capable of spraying 0.5-1.5 millimeter granular rubber for the purpose of providing even distribution and to ensure that each rubber granular is fully encapsulated.
- B. All latex binders shall contain at least a minimum of 47% resin solids.
- C. During application, the latex binder shall be mixed at no greater than 1:1 ratio (water to latex binder) to aid migration through the surface. Also, all binder application rates described in this specification are in undiluted form.
- D. Each layer shall be allowed to cure for a minimum of twelve (12) hours.
- E. Under no condition shall asphalt emulsions be used as a prime coat (or in any other part of this system) due to thermal sensitivity of asphalt emulsion.
- F. A prime coat, mixed 1 part water to 1 part binder, shall be applied at a minimum rate of 0.04 to 0.05 gallons per square yard.
- G. The first layer shall consist of 3-6 mm black EPDM rubber granules at a rate of approximately 2.5 pounds per square yard, followed by a spray coat of Premium Fortified Latex Track Binder (mixed 2 parts binder to 1 part water) applied at a rate of approximately 0.125 to 0.150 gallons per square yard.
- H. The second layer shall consist of 3-6 mm black EPDM rubber granules at a rate of approximately 2.5 pounds per square yard, followed by a spray coat of Premium Fortified Latex Track Binder (mixed 2 parts binder to 1 part water) applied at a rate of approximately 0.125 to 0.150 gallons per square yard.
- I. The third layer shall consist of 1-3 mm black EPDM rubber granules at a rate of approximately 2.5 pounds per square yard, followed by a spray coat of Premium Fortified Latex Track Binder (mixed 2 parts binder to 1 part water) applied at a rate of approximately 0.125 to 0.150 gallons per square yard.
- J. The fourth layer shall consist of 1-3 mm black EPDM rubber granules at a rate of approximately 2.5 pounds per square yard, followed by a spray coat of Premium Fortified Latex Track Binder (mixed 2 parts binder to 1 part water) applied at a rate of approximately 0.125 to 0.150 gallons per square yard.
- K. A final spray layer consisting of a Premium Latex Track Binder (mixed 2 parts binder to 1 part latex) shall be applied to the entire track and all field events for the purpose of providing a resilient wear coat. The final spray layer shall be applied at a minimum rate of 0.10 gallons per square yard.

### 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, and IAFF).
- B. The paint used shall be a 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 latex on adjacent surface or. 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.