
Precision Athletics Inc.

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MAXFLEX BL SURFACING

PART 1 GENERAL

1.01 DESCRIPTION

The Maxflex surfacing is a mixture of uniformly graded particles bound together with formulated styrene butadiene resin.

1.02 USE

The Maxflex surfacing is designed as a durable, resilient surface for running track facilities. The surfacing is intended for all weather use and with spikes. The surfacing is to be installed over properly constructed asphalt substrates that have suitable site conditions. Vehicular traffic is not intended on this surfacing.

1.03

Installer Qualifications: The installer of the surfacing system of the track surfacing must be trained and experienced in the installation of the surfacing specified herein. The installer shall have at least 5 years experience using the materials specified. The installer's onsite installation crew leader shall have at least 15 surfaces that have been placed use the materials specified.

Weather Conditions: The quality of installation is dependent upon suitable weather conditions. No installation shall be made when daytime temperatures are below 55 degrees. Nighttime temperatures should not be below 45 degrees. In addition, no installation shall take place when rainfall is predicted prior to sufficient binder drying.

1.04

Project Conditions

Drainage: Areas adjacent to the asphalt should allow for free flow of water away from the track facility. There should be no standing water on or adjacent to the running track facility.

Asphalt substrate: The asphalt must meet the tolerances set forth in the plans/specs. The asphalt must also be clean and free draining (see base course design requirements provided by Precision Athletics)

Landscaping: All adjacent site work should be completing prior to installation of new surfacing. Irrigation, loose debris, and sediment shall be kept away from and off new surfacing.



Part 2 Products

2.01 Materials

Binder A-formulated styrene butadiene polymer containing a minimum 50% resin solids: having a styrene:butadiene ratio of 45:55 and have a Glass Transition Temperature of -32 degrees C.

Binder B-formulated styrene butadiene polymer containing a minimum 50% resin solids: having a styrene:butadiene ratio of 65:35 and having a Glass Transition Temperature of -7 degrees C.

UV Pigment-proprietary solution of UV protectant (black)

Base Rubber Particles: Proprietary black SBR rubber particulate having specific gravity of 1.15.

Line Marking Paint: acrylic line marking paint approved by the manufacturer of the track surface.

2.02 Warranty

The track surfacing shall be warranted against defects in materials and workmanship for a period of one year. The warranty shall be extended to three years when applied over new asphalt substrate. The contractor will replace/repair defective work at no cost to the owner. Damage or failure caused by misuse, improper maintenance, acts of God, or improper design are not covered by warranty. The owner must maintain the facility per the maintenance instructions for the warranty to remain in effect.

Part 3 Construction

Preparation: The new asphalt substrate must cure for a minimum of 14 days prior to the installation of surfacing material. Asphalt substrate must be placed at correct tolerances.

Mat Construction: The track and field surface must be constructed in accordance with the methods approved by the manufacturer of the system. All rubber particulate must be fully encapsulated with the resin to assure sufficient thickness and durability. UV pigment shall be added to Binders A and B in accordance with manufacturer's recommendation and in sufficient amount to provide durability during the warranty period.

SBR Resin: 2.4-2.7 dry pounds per square yard of surface area

Rubber Particulate: 9.7-10 dry pounds per square yard of surface area.

The finished surface shall be uniform in appearance and density and exhibit the following:

Thickness: 3/8" min

Color: Black

Recommended Spike Use: 1/8" pyramid