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IMPERMEABLE STRUCTURALLY SPRAYED RETOP SYSTEM
PRODUCT SPECIFICATIONS
EPIQ TRACKS™ V300 RETOP

Part 1 – General

1.1 Summary

The Synthetic Surfacing Contractor shall furnish all materials, labor, supervision and equipment necessary for the accurate completion of the **epiQ TRACKS™ V300 RETOP** synthetic track installation and all project specific work indicated on the plans and specifications.

The guidelines established in this specification are to be considered minimum acceptable standards for installing a synthetic polyurethane track surface.

It is the responsibility of the Synthetic Surfacing Contractor to review the plans, specifications, field conditions and verify the locations where the **epiQ TRACKS V300 RETOP** surface is to be installed.

Contractors wishing to be considered as an “or equal” must provide documentation for their products at least 10 days prior to the bid opening.

1.2 Scope of Work

- a. The Synthetic Surfacing Contractor shall spray-apply two coats of one or two-component polyurethane and EPDM granules over an existing base layer of polyurethane bound rubber granules.
- b. Layout and paint all track line and event markings in accordance with the latest edition of the IAAF, NCAA, NFHS or UIL rules and regulations, as applicable.

1.3 Coordination

Conduct operations while minimizing the interference with other subcontractors on site. Do not obstruct walks, or other occupied facilities without permission from the Owner. Perform work while minimizing disturbance to Owner’s scheduled events at the facility.





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Part 2 – Standards and Codes

2.1 Guidelines

Guidelines to be followed on this project are those set forth by the IAAF, NCAA, NFHS or UIL, as applicable; along with the current material testing guidelines as set forth by the American Society of Testing and Materials (ASTM).

2.2 Technical Data

- a. Sports Application: Athletics
- b. Colors available: Red or Black. (Other colors are available upon request at an additional cost).

2.3 Quality Assurance

- a. The Synthetic Surfacing Contractor shall have a minimum of 8 years of experience in the installation of polyurethane synthetic tracks similar to the one being installed on this project.
- b. The polyurethane materials shall be made in the United States.
- c. Manufacturer's chemist must have at least 10 years of experience in the manufacturing and compounding of two-part polyurethane designed specifically for sports surfaces.
- d. The Synthetic Surfacing Contractor shall have experience installing IAAF certified track systems.
- e. The Synthetic Surfacing Contractor shall attest that all track surfacing material meets or exceed the requirements defined by the project specifications. Test data shall be submitted which shows that the product meets the required quality standards.
- f. The Synthetic Track Installation Supervisor must have installed a minimum of 10 similar polyurethane tracks in the last 3 years.

Part 3 – Submittal Data

The following submittal data must be received as part of the bid submittal.

- a. Standard printed specifications of the polyurethane track system being installed as part of this project.
- b. A reference list showing similar projects installed in the last 8 years.
- c. A synthetic track surface sample a minimum of 8"x11" in size of the track system being installed on this project.



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Part 4 - Materials

1. Primer

Polyurethane-based primers specifically formulated to be compatible with the base and track surfacing material.

2. Polyurethane Sealer

The polyurethane seal coat is solvent-free, two-component, thixotropic polyurethane based on MDI. It is designed to completely seal base mat prior to topcoat application.

3. Structural Spray Coating

The spray coating shall be the MDI-based and or MDI/TDI mixture, one or two-component, moisture-cured, pigmented polyurethane, specifically formulated for compatibility with EPDM granules. The coating shall be the color red, or as chosen by the Owner of the track surface.

4. EPDM Granules

The EPDM granules shall be manmade, a minimum of 18-20% peroxide cured EPDM, chopped, processed and having a specific density of 1.5 +/-0.03 and a Shore-A hardness of 60 +/-5%. The granules shall be graded 0.5mm-1.5mm in size unless otherwise specified.

5. Line Marking Paint

The line marking paint shall be latex -based compatible with polyurethane synthetic track surfaces.

Part 5 - Execution

1. Existing Surface Base Preparation

- a. The existing polyurethane surface to be surfaced shall be cleaned of all dirt, grease, oil, stains and all other foreign materials and then be allowed to dry prior to the installation of the surface. Mechanical power washing may be required for hard-to-remove substances. Brooms, vacuum and/or blowers will be required to remove soil, dust, etc., from the existing surface.





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b. Marking Defective Areas

Impervious Surface System

In the process of cleaning the existing surface, the total surface area must be flooded with water on a warm day. As the surface dries, the total area is to be inspected by the Owner and Synthetic Surfacing Contractor for all defective areas such as delamination, cuts, cracks, holes, excessive wear, etc. All defective areas are to be outlined/marked with paint. The defective areas to be repaired as outlined under repair.

Porous Surface System

The total area is to be inspected by the Owner and Synthetic Surfacing Contractor for all defective areas such as delamination, cuts, cracks, holes, excessive wear, etc. All defective areas are to be outlined/marked with paint. The defective areas to be repaired as outlined under repair.

c. Vegetation

Any vegetation in the existing base or surface shall be removed in a manner to avoid damaging the surface. These areas shall be treated with Roundup® or similar herbicide to inhibit the future growth of vegetation.

d. Repairs

Asphalt Repairs

Areas in the existing asphalt surface exhibiting cracks and holes in need of repair shall be filled with asphalt material recommended by the surface installer or approved equal selected for its qualities of adhesion. Repair shall return the surface to a uniform plane and hardness.

Existing Synthetic Surface Repairs

Areas in the existing polyurethane surface in poor condition from delamination, holes, cuts, cracks, excessive wear or poor repair spots shall be repaired or replaced as needed. The repairs shall return the existing base surface to a uniform plane and condition.

Surface area in need of repair will be previously outlined/marked by paint by the Synthetic Surfacing Contractor and approved by the Owner. Repairs not to exceed 50 square feet and no replaced or repaired area shall be considered less than one square foot.



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Existing paint on lane lines, marks, etc., which is raised above the surface, must be buffed or ground to level of existing surface.

2. Synthetic Track Surface

epiQ TRACKS V300 RETOP shall consist of multiple applications of a polyurethane structural spray system over an existing base layer of polyurethane bound rubber granules.

a. Priming

The primer shall be spray-applied in accordance with the Manufacturer's specifications. Only those areas that can be installed the same day should be primed.

b. Impermeable Layer

The polyurethane seal coat A and B components are mixed at the prescribed ratio using a state of the art automatic metering mixer for a precise measured ratio, then squeegee-applied to the base mat, making it impermeable.

c. Structural Spray Wearing Coats

Job mix formulas shall be as follows:

Structural Spray	60% by weight
EPDM Rubber 0.5mm-1.5mm	40% by weight

Apply a thixotropic mixture, using red structural spray and red EPDM granules, mixed using state of the art automatic metering mixer for a precise measured ratio, then spray-applied using the latest air spray equipment designed to handle this heavy rubber mixture. The structural spray coating is applied in two applications utilizing 1.80 pounds per square yard for each application.

d. Line Markings

All line and event markings shall be applied by experienced personnel utilizing latex based paint compatible with the synthetic track surfacing.

All marking dimensions will be certified in accordance with the specifications issued by the appropriate sanctioning or governing body such as IAAF, NCAA, NFHS or UIL, as applicable.

No striping operations may commence if temperature is 45°F and falling.





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Do not place any paint under wet or damp conditions or when relative humidity is above 85%.

The line-stripping machine shall be capable of producing neat, clean edges on all lines.

Part 6 – Warranty

epiQ TRACKS V300 RETOP is warranted against defects in workmanship, labor and materials under normal use and service for a period of twelve months. The warranty excludes any damage or defects caused by improper design or engineering, by an inadequate or defective base, by normal wear and tear, vandalism, abuse, neglect, lack of maintenance, or acts of God.

Part 7 – Installer

epiQ TRACKS V300 RETOP shall be installed only by trained craftsmen who are full time employees. No outside installer or distributor will be sold or furnished with **epiQ TRACKS** material for installation unless licensed by Manufacturer.

It is a requirement of this specification that the selected installer be required to supply proof of insurance and conformance to the Prevailing Wage Laws, if applicable for location.

Certified Installer
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