

RUNNING TRACK SPECIFICATIONS

GODDARD GTS TRACKS

ELITE

Polyurethane Running Track Systems

PART 1 – GENERAL DESCRIPTION

1.01 DESCRIPTION

A. Scope

The complete installation of a cast-in-place polyurethane bound rubber base, full pour polyurethane seal layer, and polyurethane full pour top layer with broadcast embedded rubber as formulated by and furnished by Goddard Coatings Company. Materials include primer, polyurethane binder, rubber granules, seal layer, top coat, and track line paint.

B. Product Description

Goddard GTS ELITE track system is a premium quality impermeable track surface. The base layer is composed of a prepackaged two component moisture cure polyurethane and rubber granules, cast in a single layer application. A seal layer of two component, thixotropic polyurethane based sealer. The top coat is a two component self-leveling polyurethane coating embedded with EPDM rubber.

C. Typical Standards (U.S.A.)

Total average thickness shall be 13mm as specified and installed over specified grade asphalt 3" minimum thickness, placed in two lifts of 1.5" each.

D. DIN Standards (International Standards)

Total thickness shall be 13 mm and laid over foundation which is constructed in accordance with DIN18035 PART 6 specification.

1.02 QUALITY ASSURANCE

A. Acceptable Installer

Goddard GTS ELITE system shall be installed by an authorized factory-trained dealer only.

Installer must submit list of similar work using Goddard Coatings Company materials.

1.03 SUBMITTALS

A. Samples

Submit samples of Goddard GTS ELITE system colors requested by customer.

1.04 DELIVERY AND STORAGE

A. Delivery of Materials

Materials should not be delivered until site and climate is ready for installation.

B. Storage of Materials



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The general contractor shall provide a secure, clean, dry location for storage of materials at 50°F to 85°F temperature. Outdoor storage must be fully protected from moisture by a covering with 10 mil polyethylene film and tarps. All materials stored outside shall be inspected by installer/dealer for moisture contamination before application. Manufacturer recommends materials to be stored at a secure/locked facility.

1.05 Warranty

A. Warranty

The Goddard GTS ELITE system installation shall be warranted by the installer/manufacturer for any defects in materials and workmanship for a period of one (1) year from date of acceptance or as specified in plans and specifications. The warranty shall not cover damage to the installation caused by conditions beyond the control of the guarantor including, but not limited to, moisture permeation from any source, substrate movement or separation, faulty design or construction, abuse of the surface or failure to abide by Care and Maintenance literature including application finishes or protective coatings subsequent to completion of specified work.

PART 2 PRODUCTS

2.01 MATERIALS

A. Primer

Goddard GTS urethane as required over asphalt or concrete.

B. Base Mat Granules

To be black SBR/EPDM rubber granules, 1 to 3 mm in size, with a nominal specific gravity of 1.2 and free of any foreign materials.

C. Binder

GTS Binder is a one component, solvent free polyurethane pre-polymer, designed for binding rubber granules in the construction of synthetic sports surfacing.

D. EPDM Rubber Dust

0.0 – 0.5mm EPDM rubber dust is a by-product of the 1-3mm EPDM rubber granules.

E. Seal Layer

GTS Seal Layer is a two component, thixotropic polyurethane based sealer, designed to seal porous rubber mats prior to application of polyurethane coatings.

F. Top Coat

GTS Top Coat is a two component, polyurethane based coating, designed for use with 1-3mm EPDM rubber granules to create a non-porous sports surface.



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G. Track Line Paint

Goddard GTS track line paint, in seven (7) standard colors.

PART 3- EXECUTION

3.01 INSPECTION

A. Substrate

Refer to Specific Goddard Coatings Company Substrate Specifications.

Prior to installation of the Goddard GTS ELITE system, the asphaltic or concrete base shall be inspected for surface tolerance. Structural tolerances or design mix of the asphalt or concrete base shall meet specifications as approved by the site inspector. Deviations in the planarity of the base of 1/8" in 10' shall be corrected by others in a manner acceptable to track surfacing manufacturer.

All work required to put the substrate in acceptable condition shall be the responsibility of the general contractor.

Installer shall perform test for moisture and adhesion prior to application and report adverse conditions to the general contractor in writing.

Asphaltic concrete shall be allowed to cure a minimum of fourteen (14) days prior to installation of track surfacing. Portland cement bases shall be allowed to cure a minimum twenty-eight (28) days with variables based on climate conditions.

3.02 INSTALLATION

A. Priming

Surfaces to receive Goddard GTS ELITE track system shall be primed as required by surface conditions and in accordance with manufacturer's recommendations.

B. Base Mat

Base layer shall be achieved using a homogenous mixture of rubber granules and Goddard polyurethane. Goddard GTS Binder shall be 20% of total batch weight. The mixture shall be cast in place by an electrically powered, self propelled, urethane paving machine. The machine shall have an electrically or oil heated, oscillating screed plate. The machine shall strike off the material to the specified thickness. Work is to be performed in such a way that cold joints are minimized. The average base mat thickness shall be 10mm-12mm, or as specified.

C. Seal Layer

Prior to the application of the seal layer, the base mat shall be inspected for imperfections and corrected. The seal layer is applied to the base mat with a rubber squeegee spread uniformly over entire

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surface. Total combination of EPDM dust and the thixotropic polyurethane seal shall be applied at a rate of 1.5kg/m².

D. Top Coat

The top coat is applied with notched trowels. The consumption rate is 3kg/m². After the top coat is applied, 1mm-3mm EPDM colored rubber granules are embedded in the polyurethane by broadcasting. The average top coat thickness shall be 3mm-4mm, or as specified.

E. Line markings

Lane line marking and events shall be applied in accordance with governing bodies. "Certified" or "Certifiable" lines will be furnished as specified.

F. Site Clean Up

Upon completion of installation, installer shall remove all unused materials, tools, equipment and rubbish. Dispose of empty containers in accordance with federal and local guidelines and restrictions.

3.03 PROTECTION

A. Cure Time

No traffic or other trades shall be allowed on the surface for a period of one week following completion to allow for complete cure of finish system.

B. Other Trades

It shall be the responsibility of the general contractor to protect the track from damage from other trades before acceptance by the owner or his agent.

C. Safety

No smoking, open flames or sparks from electrical equipment or other sources shall be permitted during application of materials.

MANUFACTURER:

Goddard GTS ELITE system is a brand name of Goddard Coatings Company, and all Goddard Coatings Company Systems are installed by authorized, factory-trained personnel.