

SECTION 02865

RUNNING TRACK SURFACE

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: A rubber granular mat system with polyurethane binders over concrete or asphalt.
- B. Related Sections:
 - 1. 02545 - Hard Court/Running Track Construction.
 - 2. 03300 - Cast-In-Place Concrete.

1.02 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 - 1. D412-97 Test Method for Tensile and Elongation.
 - 2. G53-84 Test Method for Accelerated Weathering.
 - 3. E501-94(00) Standard Specification for Standard Rib Tire for Pavement Skid-Resistance Tests.

1.03 SUBMITTALS

- A. Shop Drawings: Concrete/asphalt and subgrade requirements.
- B. Product Data: Manufacturers specifications and printed installation and maintenance instructions.
- C. Samples: One 4 inch by 4 inch sample of track surface with samples of available colors (except black) for selection.
- D. Certification that materials delivered to site comply with specifications and are approved by the manufacturer for use as a track binder.

1.04 QUALITY ASSURANCE

- A. United States Tennis Courts and Track Builders Association (USTC&TBA) guidelines.
- B. Pre-installation Conference: Track surface manufacturer's representative shall give written or pictorial documents indicating installation requirements.
- C. Coordinate with equipment installer the location and type of attachments required to install equipment.

D. Manufacturer's Representative: The manufacturer of the track surface system shall provide a technical representative, that does not represent the track builder, to participate in the acceptance of the asphalt base before the application of the track surface and to observe the installation work. The approval of a particular manufacturer's system shall be contingent on this requirement being met.

E. Track Surface Contractors/Installers.

1. The installer must show proof of having installed a minimum of 50, paved in place, polyurethane base mat surface track systems over the last 5 years.
2. The installer shall provide test results for the polyurethane surface running track systems, from an independent testing laboratory, showing compliance with the ASTM specifications listed.
3. The installing company shall provide proof of being in business under the same name for the past 5 years.
4. The installer shall provide proof of being a member in good standing of the USTC & TBA under the same name for a period of 5 years.
5. The installer must have a Certified Track Builder (CTB) on staff as a full time employee of the company and must provide proof of certification.
6. The installer shall provide documentation of having a minimum "A" rating as established by their bonding company.
7. Show proof that installer's Base Mat (polyurethane binder/rubber) Structural Spray (Polyurethane/EPDM Rubber) System, as specified, meets the requirements of the IAAF Suitability Test for Synthetic Surfaced Athletic Tracks. Proof shall consist of test results from an independent testing laboratory indicating that the system submitted by the installer has passed all parts of the test.
8. The installer's CTB shall be on site at the beginning of the installation of the asphaltic pavement, for the running track, for a period of two days.

F. Track Dimension Determination.

1. The measure line is a theoretical line used to determine the distance of the track. It is located 30 centimeters from the inner painted line of the inner lane.
 - a. The distance between the track side of the inside

curb and the measure line shall not be less than 16 inches.

- b. The distance between the track side of the outside curb and the lane line shall not be less than 4 inches.

1.05 WARRANTY

- A. Manufacturer's minimum 5 year written warranty of track surface to be free from defects in materials and installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Track Surface:

- 1. Ruff House CIP by Advanced Polymer Technology Corp., Smithtown, NY.
- 2. Plexitrac by California Products, Cambridge, MA.
- 3. Fast Track by Child Safe Products, Amityville, NY.
- 4. Safe Guard by Safe Guard Surfacing, St.James, NY.
- 5. Eurotan WS by Southwest Recreational Industries, Leander, TX.
- 6. Vitriturf by Vitricon, Hauppauge, NY.

2.02 MATERIALS

A. Track Surface:

- 1. Surfacing shall be 1 to 3mm rubber granules, free of dust and extraneous fiber, metal, and similar substances, and meeting the following gradation:

<u>Mesh</u>	<u>M.M.</u>	<u>Percent Retained</u>
5	4.00	0.0
6	3.36	3.0
10	2.00	50.0
18	1.00	97.0

- a. Other sieve sizes may be used to achieve a different surface texture at the discretion of the owner.
- b. Rubber supply can vary.
- 2. Comply with USTC & TBA guidelines for measuring track surface depth.
- 3. Void Volume: 27 percent maximum.

4. Baselayer: 1/2" minimum thickness, recycled or black styrene-butadiene rubber (SBR) rubber granules with polyurethane binder.
5. Structural Spray/UV Protection: Sprayed pigmented urethane with matching color EPDM rubber granules. Color, red or green, as specified by A/E.
6. Provide water permeable composition.

PART 3 EXECUTION

3.01 INSPECTION

- A. Do not proceed with the work of this section until conditions detrimental to the proper and timely completion of the work have been corrected in an acceptable manner.
- B. Asphalt Base:
 1. Before application of track surface, asphalt base shall be inspected for conformity to slopes as indicated on construction drawings.
 2. The surface shall not deviate more than 1/4" in 10 feet when checked with a straight edge in all directions.
 3. The asphalt base shall be allowed to cure for at least 2 weeks before the track surface is applied.
- C. Perform tensile and thickness testing before lane marking.

3.02 ENVIRONMENTAL CONDITIONS

- A. Temperature: A minimum of 50 degrees F. and rising.
- B. Weather: Clear with no precipitation during application.

3.03 INSTALLATION

- A. Follow manufacturer's printed installation instructions and recommendations.
- B. Apply track surface over asphalt, to inside perimeter of concrete curbs, as specified in Section 02865, according to manufacturer's guidelines.
 1. Lay out white lane markings as indicated on Construction Documents:
 2. Apply 2 coats of specified paint lines 2 inches wide by brush using templates or masking tape, without splatters and irregularities.

- C. Place topsoil and sod to required finish grade elevations.
- 3.04 CLEANING
- A. Upon completion of the work remove all containers, surplus materials, and debris and dispose off site.
 - B. Remove surplus materials from site. Remove soil, mud, and other foreign matter from track surface.
 - C. Clean spills and overruns.
 - D. Leave site in a clean and orderly condition acceptable to the Board.
- 3.05 PROTECTION
- A. Protect track surface from damage until substantial completion, especially from petroleum-based products.
 - B. Provide a 10 foot wide removable protective mat to be used by maintenance vehicles for crossing the track to the infield without damaging the track surface.
 - C. Provide a list of herbicides to suppress weed growth adjacent to the track without damaging the track surface.
- 3.06 FIELD QUALITY CONTROL
- A. Site Tests:
 - 1. The track installer shall provide a minimum of 30 test samples in the course of laying down the track surface.
 - 2. Each sample shall be 10 inches square, laid on a 1/2" plywood base adjacent to the track at roughly equal intervals around the perimeter of the track.
 - B. Inspection:
 - 1. The track installer shall perform at least one evaluation of the track each year with a representative of the Board to determine the need for preventive maintenance action within the warranty requirements.

END OF SECTION