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FAST TRACK 942

PART 1 GENERAL

Polyurethane, solid pour, running track surfacing system with a broadcast EPDM rubber top layer

1.0 DESCRIPTION

Resilient, water impermeable, synthetic rubber track surfacing comprised of polyurethane binders and processed SBR and EPDM rubber granules, installed over a suitable base at a thickness of 13 mm.

1.00 MATERIALS

1.01.1 SBR Black Rubber Granules – the rubber granules for the two base layers shall be recycled SBR rubber, having a density of 1.13 plus or minus 0.05, processed and chopped to 1 – 4 mm size. The processed rubber shall be packed in suitable bags to protect the rubber from moisture during transportation and handling.

1.01.2 EPDM Rubber Granules – the rubber granules for the top layer shall be EPDM peroxide cured, man made rubber containing a minimum of 20% EPDM, having a density of 1.50, plus or minus 0.05, and chopped to 1.0 – 4.0 mm size. The EPDM granules shall be the same color as chosen by the owner for the track surface.

1.01.3 Polyurethane Coating Compound – the coating compound for the FAST TRACK 942 surface system shall be a pigmented, two components, pure polyurethane specifically formulated for mixing with SBR and EPDM rubber granules, having a density of 1.07 plus or minus 0.05. Color of the coating compound shall be the same as chosen for the track surface by the owner.

1.01.4 Physical Properties:

| | | |
|----------------------------------|---------|-----------------------------------|
| Thickness: | | 13 mm. |
| Color: | | Red |
| Hardness: (ASTM D-2240) | Shore A | 50 plus or minus 5 |
| Elongation (ASTM D-412) | | 115% |
| Tensile Strength (ASTM D-412) | | 85 psi |
| Compression Set (ASTM D-395) | | 90-95% @ 70* F. over 24 hours |
| Abrasion Resistance (ASTM D-801) | | 0.10 grams lost after 1000 cycles |
| Coefficient of Friction | | Dry – 0.80 |
| | | Wet – 0.63 |
| Resilience (ASTM D-2632) | | 33% |

2.00 INSTALLATION

2.01. 1 Surface Base Inspection – Prior to the application of the track surface, the asphalt or concrete base shall be inspected for conformity to planarity requirements. The surface shall not vary more than 1/8 inch in 10 feet from the specified grade when checked with a 10 foot straightedge. The surface may also be flooded with water to determine if any “bird baths” or low areas exist. Any areas found not to be in conformance with the above requirements shall be repaired by others with compatible materials as approved by Child Safe Products, Inc., and allowed to cure prior to the application of the synthetic surface.

2.01.1.1 Curing of The Base – an asphalt base shall cure a minimum 14 days and a concrete base shall cure a minimum 28 days and have a moisture content of less than 3%.

2.01.1.2 Cleaning – the area to be surfaced shall be power cleaned and free of any loose or foreign particles (dirt, oil, etc.), prior to commencement of work.

3.00 APPLICATION

3.01 Base Layers

The blended polyurethane coating compound is poured over the base and spread with an 8 mm notched squeegee at the rate of 7.0 lbs. per square yard. Immediately after applying the coating compound, broadcast the SBR base rubber granules onto the surface at a rate sufficient to completely cover the surface. After the resin has cured (approx. 3 – 8 hours) all excess rubber shall be recovered from the surface. The resin/SBR granules applied as above will produce a thickness of 4.5 mm for each application. Two applications are required to complete the base layers.

3.02 Top Layer

On completion of the two base layers, apply a coat of the resin over the cured base using a flat squeegee at a rate of 7.0 lbs. per square yard. Immediately after applying the coating compound, broadcast the EPDM colored granules onto the surface in sufficient quantity to completely cover the surface. After the surface has cured, recover the excess granules to leave the desired finish.

3.03 Track Striping

Painted lines and event markings shall be performed in accordance with the governing track and field regulations and shall include all required lines and graphics. The contractor shall provide a layout and field certification of all event markings and distances required. All layouts shall be performed by a licensed Land Surveyor or Professional Engineer. Compatible line paint in the desired colors shall be applied by means of an approved line striping machine capable of producing neat lines with clear edges.

4.00 GUARANTEE

The contractor shall provide a written guarantee covering all workmanship and materials for a period of (5) Five Years from the date of final acceptance.

NOTICE: These specifications are merely guides for use by Landscape Architects, engineers, contractors. It is hoped that these specifications will be of particular value to those who do not have detail knowledge of synthetic safety flooring and that it will aid in maintaining high construction standards. CSP, its agents and employees do not warrant the specifications as proper under all conditions.

**FOR OTHER SPECIFICATIONS OR COLORS PLEASE CONTACT:
Child Safe Products 1-800-730-0064**