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FAST TRACK 100

PART 1 GENERAL

Polyurethane, running track surfacing system

1.0 DESCRIPTION

A resilient, water permeable, full depth color, synthetic rubber track surfacing comprised of a polyurethane binder and colored EPDM rubber granules installed over a suitable asphalt base at a compacted thickness of one-half inch (1/2") (13 mm.)

1.00 MATERIALS

1.01.1

Red EPDM Rubber granules processed and chopped to 1-3 mm. size, containing less than 4% dust. The EPDM granules shall be peroxide cured, man made rubber containing a minimum 20% EPDM and having a density of 1.5 + or - 0.05.

1.01.2 Prime Coat - Primer shall be one-component MDI based polyurethane specifically formulated to adhesion to asphalt concrete bases.

1.01.3 Polyurethane Binder shall be a 100% MDI based one-component, polyurethane binding agent and must be clear in color, not milky, and solvent free. The binder shall be specifically formulated for mixing with EPDM rubber granules and having a density of 1.07 + or - 0.03.

1.01.4 Line Paint – Paint for the lane lines and event markings shall be a two-component Polyurethane paint compatible with the track surface.

1.01.5 Physical Properties

Thickness	(13 mm)	
Color	Red	
Density	0.80 – 0.84	
Hardness (ASTM D-1894) Shore A	50 – 65	
Resiliency (ASTM D-2632)	50	
Tensile strength (ASTM D-412)	80 psi	
Elongation at break (ASTM D412)	120%	
Compression Set (ASTM D-395)	10% @ 25 psi	50% @ 270 psi
Compression set recovery after 2 hours	98 – 100 %	
Water absorption	0.2 inches/second	
Resistance to spikes	Class 1	

2.00 MIXTURE COMPOSITIONS

2.01	Red EPDM rubber granules	80% by weight
	Polyurethane Binder	20% by weight
	Application temperature	Min. 35 degrees F

3.00 APPLICATION

3.01 Allow asphalt base to cure a minimum 14 days.

3.02 Primer

Apply the polyurethane primer over the entire area to be surfaced at a rate of 0.28 pounds per square yard using an airless spray machine. Allow 20 – 30 minutes for the solvent in the primer to evaporate before starting installation.

3.03 Mat

Blend Red EPDM rubber granules and polyurethane binder together in a suitable mechanical mixer for a period of 1 – 2 minutes to insure proper coating of all rubber granules with the binder. The blended materials are then spread onto the asphalt base by means of a mechanical tandem leveler. The tandem leveler shall have a heated oscillating screed bar to obtain both smoothness and compaction. The heated screed bar normally works at a temperature of 158 – 176 degrees F. The laying procedure shall be bay to bay and limiting the length of the passes so as not to have any cold joints between the bays. At the beginning of each day the traverse joint from the previous day shall be tack coated with binder to insure a good bond. The surface hardens through the reaction of the binder with humidity. Usually the surface can be walked upon the next day. The mat shall be installed at a compacted thickness of one-half inch (1/2") (13 mm.)

3.04 Striping

Painted lane lines and event markings shall be performed in conformance with the governing Track & Field regulations and shall include all lines and graphics required or directed by the owner. Compatible line paint in the desired colors shall be applied by means of an approved line striping machine capable of producing neat lines with sharp 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**