Plexitrac Accelerator

Polyresin Track System

Application for Asphalt Surfaces

1.0 DESCRIPTION

This specification covers the installation of a new, high performance resilient track surfacing system for new asphalt surfaces. This track system utilizes specially compounded, pigmented, water-based binders and select rubber granules to provide strength, flexibility and to prevent ultra violet degradation. Also a topcoat is applied to further protect against harmful UV rays and to reduce wear. The system provides a durable, resilient, spike resistant surface for recreational and competitive use.

NOTE: The success of the running track surface is dependent on a sound base (with good drainage) and the asphalt concrete meeting the requirements of The National Asphalt Paving Association and the U.S. Tennis Courts and Track Builders Association. Variations of the existing subsurface should not exceed 1/8" in 10' when measured in any direction with a straightedge.

2.0 **MATERIALS** – All liquid products shall be supplied by one manufacturer.

2.1 **Court Patch binder** – shall comply with Specification 10.14 of California Products Corporation.

2.2 **CP-4125** – Latex emulsion tack coat.

2.3 Plexitrac Binder – shall comply with specification 10.73 of California Products Corporation **(Red). ***

2.4 **Rubber granules** – select granules for job mixing with Plexitrac Binder.

2.5 **Plexitrac Coating** – shall comply with Specification 10.70 of California Products Corporation **(Red)**. *

2.6 **Plexicolor Line Paint** – shall comply with specification 10.4 of California Products Corporation

2.7 **Plexicolor Pigment** – water-borne pigment for enhanced color depth **(Red). ***

2.8 **Water** – The water used in all mixtures shall be fresh and potable.

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Whitesburg, GA 30185
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*Other colors available upon request and the availability of appropriate EPDM granules.

3.0 SURFACE PREPARATION

Allow all patchwork to dry thoroughly. The surface to be coated must be sound, smooth, and free from dust, dirt or oily materials.

4.1 **Primer Coat** – A tack coat of CP-4125 must be applied over the entire surface at a rate of .04 gal./s.y. Allow to dry thoroughly.

4.2 **Track surface** – Materials shall be applied to achieve a dense uniform surface of not less than the specified thickness in not less than 3 layers. The Plexitrac Binder must be evenly distributed amongst the rubber granules upon the application of materials. Coverage rates (Measured in accordance with I.A.A.F. standards):

Color:	Thickness:	Rubber Granules:	Plexitrac Binder (Red):
Black	3/8" (9.5mm)	10.5 lbs./s.y.	.60 gal./s.y.
Red	1/8" (3.0mm)	5.0 lbs./s.y.	.21 gal./s.y.

Coverage rate based on undiluted product. Binder to rubber ratio shall be 1 gallon Plexitrac Binder per 18 lbs. of Black S.B.R. Rubber and 1 gallon of Plexitrac Binder to 24 lbs. of Red E.P.D.M. Note: systems of a lesser thickness may be installed. Reduction in thickness shall be in the black base material.

To further enhance color depth, it is recommended to add 5 gallons of Plexicolor Pigment to each 55-gallon drum of Plexitrac Binder on the final spraycoat. Plexicolor Pigment is a water-borne colorant available from California Products. Colors other than red are available upon request.

The coverage rate for the rubber granules is dependent on the specific gravity (density) of the rubber and the installation method of surfacing system. Different densities will affect the dry bulk value of the rubber, which determines the weight per square yard for a specified thickness. The specific gravity for rubber particles can vary between colors, size, and manufacturers. It is recommended to consult the manufacturer for more information. Also, different application methods can affect the overall system density requiring lower or higher volumes of product. System weights and volumes shall be verified by on-site sample methods.

4.3 **Top Coat**: Plexitrac Coating shall be applied by approved spray equipment at a rate of not less than .10 gallons per square yard. If a smoother finish is desired, you may substitute Plexitrac Surfacer at not less than .30 gal./s.y.

4.4 **Linestriping** – Plexicolor line paint shall be applied to meet all rules and regulations of the local track federation.

5.0 LIMITATIONS

- No part of the construction shall be conducted during rainfall or when rain is imminent.
- Allow 4-5 hours to cure at 70F. Lower temperature and higher humidity will increase the dry time.

- Do not apply when surface temperature is above 130F.
- Apply only when ambient temperature is 50F and rising.
- Keep from freezing. Do not store in the hot sun.
- The Polyresin Track system will not prevent pavement cracks from occurring.
- Allow applications to thoroughly cure prior to subsequent applications.
- Use caution when applying materials to prevent overspray. Mask adjacent areas when necessary.
- Allow new asphalt surface to cure for a minimum of 14 days.

6.0 PHYSICAL PROPERTIES

6.1 **Plexitrac Binder** is a high solids pigmented binder containing specific fibers to promote strength. The Plexitrac Binder is capable of drying/curing to a depth of 10mm in a single lift when mixed at the specified levels of 1-3mm rubber granule.

Viscosity > 90 ku or >1200 cps Pigment and Filler >6% total formula

6.2 **Plexitrac Coating** is a fully pigmented acrylic topcoat system designed to have a high resistance to ultraviolet light. It is made from acrylic resins specifically designed for track surfaces to provide a tough, long lasting surface that can withstand the elements. It should be applied in at least 2 coats at a coverage rate of .05 gal./s.y. per coat.

6.3 **Rubber Properties**: 1-3mm Sieve Analysis – other sieve sizes may be used to achieve a different surface texture at the discretion of the owner. Rubber supply can vary. Check compatibility with California Products Corporation.

Mesh	M.M.	% Retained	Specific Gravity: Hardness: Shore A, 55-75 durometer
6	3.36	0-15%	Black Rubber Granules: 1.15-1.40
10	2.00	60-85%	Colored EPDM Rubber Granules: 1.40-1.60
18	1.0	10-30%	
PAN	1.0	0-5%	

7.0 **DISCLAIMER**: Suggestions for use of our product or inclusion of descriptive material from patents should not be understood as recommending the use of our product in violation of any patents.

8.0 **GENERAL**: Materials must be specifically designed for the construction of running track surfaces. Materials specified shall be delivered to the site in sealed, properly labeled drums with California Products Corporation labels that are stenciled with the proper batch code numbers. Products packaged or labeled in any other manner will not be accepted. Minimal addition of clear, fresh water at the job site is dependent on temperature and material flow. Coverage rates are based upon material prior to mixing the water. Dispose of empty containers in accordance with local, state and federal regulations.