EXTERIOR/INTERIOR COLORED RESILIENT TRACK SYSTEM

PLEXITRAC FLASH - POLYRESIN TRACK SYSTEM

APPLICATION FOR ASPHALT SURFACES

1.0 DESCRIPTION

This specification covers the installation of a new colored, 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, shock absorbance, flexibility and to prevent ultraviolet light degradation. A topcoat is applied to further protect against harmful UV rays and to reduce wear. The system provides a durable, colored 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 subsurface and perimeter drainage) and the asphalt concrete meeting the requirements of The National Asphalt Paving Association and the American Sport 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.

2.2 CP-4125 - Latex emulsion tack coat shall comply with Specification 10.75 of California Products.

2.3 Plexitrac Binder - Shall comply with Specification 10.73 of California Products **(* color to be selected).**

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 **(* color to be selected)**.

2.6 Plexitrac Surfacer- Shall comply with Specification 10.71 of California Products **(* color to be selected)**

2.7 Plexicolor Line Paint - Shall comply with Specification 10.4 of California Products.

2.8 Plexicolor Pigment - Water-borne pigment for enhanced color depth **(* color to be selected)**.

2.9 Water - The water used in all mixtures shall be fresh and potable.

*** Red is the standard color. Other colors are available at a higher cost.**

3.0 SURFACE PREPARATION

3.1 Prior to the application of surfacing materials, the entire surface should be flooded and checked for minor depressions or irregularities. Any puddled area covering a nickel shall be marked and repaired with Court Patch Binder according to CPC Specification 10.14. After patching, the asphalt surface shall not vary more than 1/8" in 10' measured in any direction.

4.0 CONSTRUCTION

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. 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 SBR	3/8" (9.5MM)	8.5 lbs./s.y.	.50 gal./s.y.
EPDM (selected color)		2.5 lbs./s.y.	.10 gal./s.y.
Black SBR	1/2" (12.5MM)	12.0 lbs./s.y.	.68 gal./s.y.
EPDM (selected color)		2.5 lbs./s.y.	.10 gal./s.y.

Coverage rate based on undiluted product. Binder to rubber ratio shall be less1 gallon Plexitrac Binder per 18 lbs. of Black S.B.R. Rubber and 1 gallon per 24 lbs. of Colored EPDM Rubber.

Note: Binder to rubber ratios may vary depending on the actual sieve analysis of the rubber.

To further enhance color depth, add 5 gallons of Plexicolor Pigment to each 55-gallon drum of Plexitrac Binder on the last 2 applications of Plexitrac Binder spraycoat. Plexicolor Pigment is a water-borne colorant available from California Products.

The coverage rates for the rubber granules are dependent on the specific gravity (density) of the rubber and the installation method of the surfacing system. Different densities will effect the dry bulking 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 effect the overall system density requiring lower or higher volumes of product. System weights and volumes shall be verified by on site sample methods.

It is very important that the final layer of Black rubber be fully coated with the highly pigmented Plexitrac Binder. The track surface should be dense and uniform. The application of the color and EPDM rubber must be carefully installed to insure uniformity.

4.3 Top Coat Options- **Plexitrac Coating** shall be applied by approved spray equipment at a rate of not less than .10 gallons per square yard.

Plexitrac Surfacer may be used in lieu of **Plexitrac Coating** (at an additional cost) if a denser texture is desired and shall be applied by approved spray equipment at a rate of not less than .30 gallons per square yard

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 70°F. Lower temperature and higher humidity will increase the dry time.
- Do not apply when surface temperature is above 130°F.
- Apply only when ambient temperature is 50°F and rising.
- Keep from freezing. Do not store in the hot sun.
- The Plexitrac System will not prevent pavement cracks from occurring.
- Allow applications to thoroughly cure prior to subsequent applications.
- Use caution when applying materials. Mask adjacent areas when necessary to prevent overspray.
- Allow new asphalt surfaces to cure for a minimum of 14 days.

6.0 PHYSICAL PROPERTIES

6.1 Plexitrac Binder is a high solids pigmented water-based binder containing special 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 1-3 mm rubber granules.

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

6.2 Plexitrac Coating is a fully pigmented, topcoat system designed for ultraviolet light environments. It is designed to stabilize and protect the underlying resilient surfacing system.

6.3 Plexitrac Surfacer is a fully pigmented, acrylic top coat system designed for high ultraviolet light environments. It is made from acrylic resins and fully encapsulated EPDM rubber granules specifically designed for track surfaces to provide a tough, long-lasting surface that can withstand the elements.

6.4 Rubber Properties: 1 - 3mm Sieve Analysis - Other sieve sizes of black rubber 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. The EPDM pigment rubber must meet this gradation.

Mesh	**M.M.**	**% Retained**
6	3.36	0-15%
10	2.00	60-85%.
18	1.00	10-30%
PAN	1.00	0-5%

Specific Gravity: Hardness: Shore A, 55-75 durometer Black Rubber Granules: 1.15-1.40

Colored EPDM Rubber Granules: 1.40-1.60

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 with water. Dispose of empty containers in accordance with local, state and federal regulations.