



PLEXITRAC[®] FLASH POLYRESIN TRACK SYSTEM

1.0 DESCRIPTION

This specification covers the installation of a new, high performance resilient track surfacing system for new asphalt or concrete surfaces. This track system utilizes specially compounded, pigmented, water-based binders and select rubber granules to provide strength, flexibility and to prevent ultraviolet degradation. A topcoat is applied to further protect against UV degradation 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 or concrete meeting the requirements of the National Asphalt Paving Association and the American Sport Builders Association. Variations of the existing surface should not exceed 1/4" 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

2.2 8425 ICP Tack Coat – Latex emulsion tack coat.

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

2.4 Plexitrac Binder

2.5 Rubber Granules – Select granules for job mixing with Plexitrac Binder.

2.6 Plexitrac Coating

2.7 Plexicolor Pigment

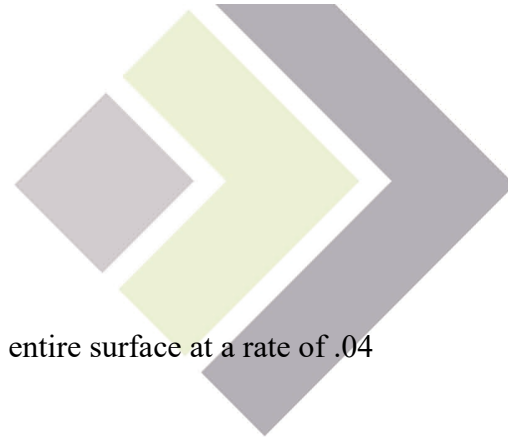
2.8 Plexicolor Line Paint

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 puddle area covering a nickel shall be marked and repaired with Court Patch Binder according to CSS Specifications. After patching, the asphalt shall not vary more than 1/4" in 10' measured in any direction.

4.0 CONSTRUCTION

Allow all patching 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 8425 must be applied over the entire surface at a rate of .04 gal./sy.

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 three layers. The Plexitrac Binder must be evenly distributed amongst the rubber granules upon the application materials. Coverage rates:

3/8”/9.5mm

| Color: | Rubber Granules: | Plexitrac Binder (R/G/B): |
|--------------|------------------|---------------------------|
| Black SBR | 8.5 lbs./s.y. | .50 gal./s.y. |
| Colored EPDM | 2.5 lbs./s.y. | .12 gal./s.y. |

1/2”/12.5mm

| Color: | Rubber Granules: | Plexitrac Binder (R/G/B): |
|--------------|------------------|---------------------------|
| Black SBR | 12.0 lbs./s.y. | .68 gal./s.y. |
| Colored EPDM | 2.5 lbs./s.y. | .12 gal./s.y. |

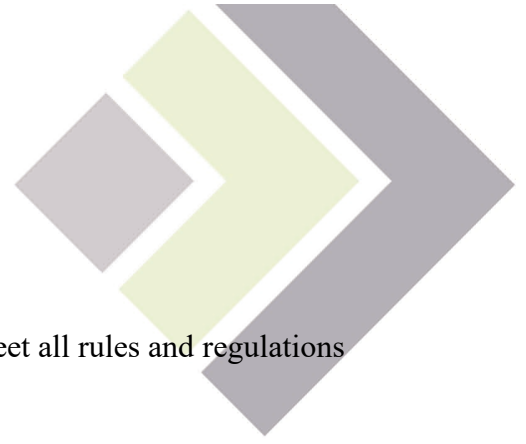
Coverage rates based on undiluted product. Binder to rubber shall be one-gallon Plexitrac Binder per 18 lbs. of Black SBR Rubber and one-gallon per 24 lbs. of Colored EPDM Rubber.

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

To further enhance color depth and improve UV stability, it is recommended to add 2-5 gallons of Plexitrac Pigment to each 55-gallon drum of Plexitrac Binder on the final two (2) applications of Plexitrac Binder spray coat. Plexitrac Pigment is a water-borne colorant available in black, red, green, or blue from California Sports Surfaces.

The coverage rate for the rubber granules is dependent on the specific gravity (density) of the rubber and the installation method of the surfacing system. Different densities will affect 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 California Sports Surfaces for more information. 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. It is very important that the final layer of Black SBR rubber be fully coated with pigmented Plexitrac Binder. The track surface should be dense and uniform. The application of color and EPDM rubber must be carefully installed to insure uniformity.

4.3 Topcoat – Plexitrac Coating shall be applied by approved spray equipment at a total rate of not less than .10 gallons per square yard. Two alternating coats should be applied.



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
- Apply only when ambient and surface temperature is 55°F/13°C and below 130°F/55°C.
- Keep from freezing. Do not store in direct sunlight
- The Polyresin Track system will not prevent pavement cracks from occurring
- Allow applications to thoroughly cure prior to subsequent applications
- Take appropriate precautions to prevent overspray and mask adjacent areas when necessary.
- Allow new asphalt surface to cure for a minimum of 14 days
- Allow new concrete surface to cure no less than 28 days

6.0 PHYSICAL PROPERTIES

6.1 **Plexitrac Binder** is a high-solids pigmented binder containing specific fibers to promote strength.

Viscosity 90-95 ku Pigment and Filler >6% total formula

6.2 **Plexitrac Coating** is a fully pigmented acrylic topcoat system designed to reduce ultraviolet degradation. It is made from SBR resins specifically designed for track surfaces to provide a strong, long lasting surface that can withstand the elements. It should be applied in two (2) alternating coats at a coverage rate of .05 gal./sq. yd. per coat. One application shall be applied clockwise, the other counterclockwise.

6.3 **Rubber Properties:** 1-3mm Sieve Analysis –Rubber supply can vary. Check compatibility with California Sports Surfaces. The EPDM pigment rubber must meet this gradation.

| 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 | 1.00 | 10-30% | |
| PAN | 1.00 | 0-5% | Hardness: Shore A, 55-75 durometer |



- 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 current California Sports Surfaces 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 potable water at the job site is dependent on temperature and material flow. Coverage rates are based upon undiluted material. Dispose of empty containers in accordance with local, state and federal regulations.