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SECTION 10.72

EXTERIOR/INTERIOR

**SITE IMPROVEMENTS
ATHLETIC FACILITIES**

PLEXITRAC SURFACER

Application on Asphalt

1.0 DESCRIPTION

This specification covers the application of an EPDM rubber filled acrylic wearing surface for hot mix asphalt running and jogging tracks. Plexitrac Surfacers is an acrylic coating designed to retard oxidation and raveling of the asphalt surface while providing flexibility and resiliency.

Note: The success of the process is dependent on a sound, well-drained base. The base must meet the minimum requirements of the U.S. Tennis Court and Track Builders Association. Surface variation should not be greater than 1/8 inch to 10 feet when measure in any direction with a straightedge.

2.0 Materials

- 2.1 Plexipave Court Patch Binder – shall comply with Specification 10.14 of California Products Corporation.
- 2.2 Acrylic Resurfacer – shall comply with Specification 10.8 of California Products Corporation.
- 2.3 Plexitrac Surfacers – shall comply with Specification 10.71 of California Products Corporation.
- 2.4 Plexicolor Line Paint – shall comply with Specification 10.4 of California Products Corporation.
- 2.5 Water – shall be fresh and potable.

3.0 Construction

3.1 Surface Preparation

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 using the following mix:

- 100 lbs. 60-80 mesh silica sand (dry)
- 3 gallons Plexipave Court Patch Binder
- 1 to 2 gallons Portland Cement (dry) (depending on humidity and temperature)

A tack coat consisting of 1 part Court Patch Binder and 2 parts water shall be applied to the patch areas and allowed to dry thoroughly prior to patching. For more information see California Products Corporation Specification 10.14 or Plexipatch Specification 10.21.

After patching, the surface shall not vary more than 1/8" in ten feet measured in any direction.

3.2 Underlayment (Acrylic Resurfacer)

In order to provide a smooth, dense underlayment for the Plexitrac Surfacer, one application of California Acrylic Resurfacer shall be applied to the surface to obtain coverage of 15-20 sq. yds. per gallon (.07-.05 gallons per square yard). No application shall be covered by a succeeding application until thoroughly cured. Dilution with water and sand is required utilizing the following mix:

Acrylic Resurfacer – 55 gallons
 Water – 20-40 gallons
 Sand (60-80 mesh) – 600-900 lbs.
 Liquid Yield – 112-138 gallons

3.3 Textured Wearing Surface (Plexitrac Surfacer)

Plexitrac Surfacer shall be applied in two applications to obtain a total quantity of 0.36-.44 gallons per square yard prior to any dilution. No application shall be covered until the previous application is thoroughly dried.

Application shall be made by 50-durometer rubber-faced squeegee or spray unit approved by manufacturer. 1 1/4" air-operated double diaphragm pump (70 g.p.m.) powered by a 5.5 h.p. air compressor with a surge dampener to control pulsation. System utilizes a seal coating spray wand and spray tips (tip sizes: 80/50 or 80/70).

Mixing – Plexitrac Surfacer shall be thoroughly mixed by mechanical means prior to application. No segregation of the material during application shall be permitted.

Plexitrac Surfacer should be mixed with clean water prior to application. Recommended mix ratio is 4 parts Plexitrac Surfacer to 1 part water.

4.0 **Event and Lane Markings**

Lane lines, start and finish lines and event markings shall all be positioned and marked according to the current rules of the governing organization.

All marking paint shall be Plexicolor Line Paint in the color designated by the owner.

5.0 **Limitations**

- Apply only when ambient temperature is 50F and rising.
- Do not apply when rain or high humidity is imminent.
- Do not apply if surface temperature is in excess of 140F.
- Do not allow spillage to dry on surface.
- Keep from freezing – do not store in the hot sun.
- Allow new asphalt to cure at least 14 days in summer conditions.
- Plexitrac Surfacer will not correct inherent deficiencies of the existing surfacing system.

6.0 Clean Up

Upon the completion of work, the contractor shall remove all containers and debris and dispose in accordance with local, state and federal regulations. The site shall be in a clean and orderly condition acceptable to the owner.