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## SECTION 10.18B

### SITE IMPROVEMENTS ATHLETIC FACILITIES

**EXTERIOR/INTERIOR**

**ACRYLIC LATEX**

**COLOR SURFACE SYSTEM**

#### **APPLICATION SPECIFICATIONS** **ASPHALT SURFACES**

##### **1.0 DESCRIPTION**

This specifications covers the application of a new wearing surface texture for Plexipave Basketball and play courts, new or existing asphalt concrete basketball and play courts that have a sound, well-drained base of adequate thickness and stability. Existing surfaces should be properly sloped for good drainage, and free from cracks. The process consists of the repair of any minor depressions, followed by application of the Plexipave System.

NOTE: The success of the all-weather characteristics of resurfacing is dependent on a sound base (with good drainage) and asphalt concrete meeting the requirements of The National Asphalt Paving Association and the U.S. Tennis Court and Track Builders Association. Surface variation should not exceed 1/8 inch in ten feet. when measured in any direction with a straightedge and a slope of 1 inch in 10 feet, all in one plane.

##### **2.0 MATERIALS**

- 2.1 Plexipave Court Patch Binder** – shall comply with Specification 10.14 of California Products Corporation.
- 2.2 Clear-Glo #3** – shall comply with Specification 10.6 of California Products Corporation.
- 2.3 Acrylic Resurfacer** - shall comply with Specification 10.8 of California Products Corporation.
- 2.4 Plexipave Color Base** - shall conform to Specification 10.5 of California Products Corporation.
- 2.5 Plexichrome** - shall conform to Specification 10.1 of California Products Corporation.
- 2.6 Plexicolor Line Paint** - shall conform to Specification 10.4 of California Products Corporation.
- 2.7 Water** – the water used in all mixtures shall be fresh and potable.

##### **3.0 CONSTRUCTION**

- 3.1 Surface Preparation** - The surface to be coated must be sound, smooth, and free from dust, dirt or oily materials. 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 using the following mix:

100 lbs. 45-60 mesh silica sand (dry)  
3 gallons Plexipave Court Patch Binder  
1 to 2 gallons Portland Cement (dry) (depending on humidity and temperature)

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 minor imperfections less than 1/4" deep may be corrected with Plexipatch. For more information see CPC Specification 10.14 or 10.21.

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

#### 4.0 SURFACE PREPARATION

In order to provide a smooth, dense underlayment for the Plexipave system, atleast one application of California Acrylic Resurfacer shall be applied to the surface to obtain a 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 (Clean and Potable)	20-40 gallons
Sand (45-60 Mesh)	<u>600 – 900 lbs.</u>
Liquid Yield	112 – 138 gallons

#### 5.0 FORTIFIED PLEXIPAVE

- 5.1 Fortified Plexipave shall be applied by rubber bladed squeegee on the clean, dry surface in 3 applications to obtain a total quantity of not less than .15 nor more than .23 gallons per sq. yd. of area, based on the material prior to any dilution. No application shall be covered by a succeeding application until thoroughly cured.

Fortified Plexipave can be job mixed as follows:

Plexipave Color Base	30 gallons
Plexichrome	20 gallons
Water	20 gallons

The diluted material shall be homogenous. Segregation before or during application will not be permitted.

The finished surface shall have a uniform appearance and be free from ridges and tool marks.

- 5.2 **PLAYING LINES** – Four hours minimum after completion of the color resurfacing, 2-inch wide playing lines shall be accurately located, marked, and painted with Plexicolor Line Paint as specified by U.S. Tennis Association.

#### 6.0 Clear-Glo #3

Apply with a wide, hair-type pushbroom (not rubber Squeegee), 2 coats of clear-glo #3 over the entire surface at an approximate rate of .025 gallons/square yard per application. Dilute with equal amounts of water (1:1) and mix well before using. The material shall be applied so it flows freely; maintaining a wet edge during application. Do not allow to puddle. The material shall be delivered to the job site in sealed, labeled containers and applied strictly in accordance with the manufacturers directions.

#### 7.0 LIMITATIONS

No part of the construction involving the Plexipave System shall be conducted during rainfall, or when rainfall is imminent. The air temperature must be atleast 50°F and rising. Do not apply when surface temperature is above 140°F. The Plexipave System will not prevent surface or structural cracks from reoccurring.