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## SECTION 10.25C

### SITE IMPROVEMENTS ATHLETIC FACILITIES

## **PLEXICOURT SYSTEM MULTISPORT SURFACING (COURSE)**

**1.0 DESCRIPTION:** This specification covers the application of course textured wearing surface for multisport play areas on asphalt and concrete surfaces. Existing surfaces should be properly sloped for good drainage and free from cracks. The success of the surfacing system is dependent upon the base, asphalt and/or concrete being adequate for the climate and end use.

### **2.0 MATERIALS:**

- 2.1 Plexipave Court Patch Binder – shall conform to CPC Specification 10.14
- 2.2 Acrylotex MA – Shall conform to CPC specification 10.25 (contains 60-80 mesh fillers)
- 2.3 Plexichrome – shall conform to CPC specification 10.1
- 2.4 Portland Cement – Type I (White)
- 2.5 Plexicolor Line Paint – shall conform to CPC specification 10.4
- 2.6 Water – shall be fresh and potable

### **3.0 INSTALLATION:**

- 3.1 Surface Preparation
- 3.2 Allow new asphalt to cure a minimum of 14 days and new concrete to cure for a minimum of 28 days. Do not allow the use of curing agents. Do not allow a steel trowel finish on concrete.
- 3.3 Pressure clean the entire surface. Power blowers should be used to remove dust and debris. Pressure washing may be needed to remove stains. Pressure should be less than 2,500 lbs./in<sup>2</sup>.
- 3.4 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
  - 1-2 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. Cracks should be filled with Court Patch Binder mix or crack-filling products compatible with acrylic finishes.

### 3.5 Base Texture/Play Courses

Acrylotex MA and Plexichrome shall be blended by a mechanical mixer to obtain a smooth homogeneous blend and applied with a rubber bladed squeegee in at least two applications to achieve a total application rate of .12-.18 gal./sq. prior to dilution. No application shall be covered by a succeeding application until thoroughly cured.

Acrylotex MA and Plexichrome shall be mixed as follows:

Acrylotex MA – 30 gallons

Plexichrome – 10 gallons (up to 20 gal. maybe added for additional color intensity)

Water – 20 gallons

Portland Cement – Type I (White) – 1-2 gallons of Portland cement shall be blended slowly with the water. The cement adds hardness and enhances drying.