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SECTION 10.33

EXTERIOR/INTERIOR

**SITE IMPROVEMENTS
 ATHLETIC FACILITIES**

PLEXIFLOR

DESCRIPTION:

Plexiflor is a reinforced acrylic finish coating that is specifically formulated for use over Plexipave and Plexicushion Systems as a multi-purpose athletic surface. When applied as a surface finish over Plexipave and Plexicushion Systems, Plexiflor provides subtle non-abrasive texture that is easy to clean and can accommodate a variety of recreational activities. Plexiflor is supplied in a ready-to-use form that is applied in a minimum of 2 coats as a finishing surface for uniformity and color intensity.

SURFACE USES:

- Basketball
- Jogging Tracks
- Play Areas
- Volleyball
- Multi-Sport Recreation
- In-Line Skating

Coefficient of friction – 0.78

PLEXIFLOR MULTI-SPORT FINISHING SYSTEM:

OVER PLEXIPAVE

- 1 Coat of Acrylic Resurfacer
- 2 Coats of Fortified Plexipave
- 2 Coats of Plexiflor

OVER PLEXICUSHION

- 1 Coat of Acrylic Resurfacer
- Plexicushion System(Club,Tournament,Prestige)
- 2 Coats of Fortified Plexipave
- 2 Coats of Plexiflor

APPLICATION:

- **24” or 36” 50-durometer M.F.G. adjustable squeegee as approved by the manufacturer.**

MIXING:

Plexiflor is ready to use from the container. The material may be diluted 6 parts Plexiflor to 1 part water to improve flowability. Mechanically stir prior to application to ensure consistency of product.

DRYING TIME:

- 30 minutes to one hour at 70F + with 60% relative humidity.
- Surface may be used for play 24 hours after completion.
- For indoor applications, provide heat and air circulation to expedite drying.

COLOR RANGE:

Standard Colors: Light Green, Dark Green, Florida Green, California Red, Sahara Sand, Pacific Blue, Cape Gray, Brown, and Maroon.

COVERAGE:

- Not less than .03 gallons per s.y. per coat. Total application not less than .06 gallons per s.y.

LIMITATIONS:

- Do not apply if surface temperature is less than 50F or more than 140F.
- Do not apply when rain or high humidity is imminent
- Do not apply when surface is damp or has standing water.
- Plexiflor will not hide surface imperfections of previous coatings.
- Surface should not be powdery, cracked or deteriorated.
- Keep from freezing. Do not store in hot sun.
- Keep containers tightly closed when not in use.
- Plexiflor will not prevent substrate cracks from occurring.
- Do not sure black soled shoes.

1.0 SCOPE:

These specifications pertain to the application of Plexiflor Color Finish over multi-sport and other recreational areas as designated in the Site Plans. The material in colors indicated shall be for application over Plexipave and Plexicushion acrylic latex systems. Allow each application to dry thoroughly before subsequent applications.

2.0 SURFACE PREPARATION

2.1 The surface to receive the Plexiflor Finish System shall be of uniform texture, clean, and free of grease, oils and other foreign matters.

2.2 Asphalt - Prior to the application of surfacing materials, the entire surface shall 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 repairing. For more information see California Products Specification 10.14 or 10.21.

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

2.3 Concrete – Concrete shall have a wood float or broom finish. **DO NOT PROVIDE STEEL TROWEL FINISH. DO NOT USE CURING AGENTS OR CONCRETE HARDENERS.** Allow the concrete to cure a minimum of 30 days. Acid Etch the entire surface with Concrete Preparer at a rate of .01-.013 gallons per square yard. Check surface for birdbaths, cracks and other irregularities and repair with Court Patch Binder as specified above in the asphalt section.

3.0 APPLICATION OF ACRYLIC FILLER COAT

- 3.1 Application of Acrylic Resurfacer Mix shall be applied to the clean, dry, level surfaces to receive the Plexiflor Surfacing System. The mix shall be applied according to California Specification Section 10.8 using the following mix:

Acrylic Resurfacer	55 gallons
Water (Clean and Potable)	20 – 40 gallons
Sand (60 – 80 mesh)	<u>600 – 900 pounds</u>
Liquid Yield	112 – 138 gallons

- 3.2 **Asphalt** – Apply the Acrylic Resurfacer Mix in one or two coats (depending on surface porosity) at a rate of .05-.07 gallons per square yard per coat.

- 3.3 **Concrete** – Prime surface with California Ti-Coat at a rate of .025-.03 gallons per square yard. The Acrylic Resurfacer Mix must be applied within 3 hours of the Ti-Coat application while the primer is dry but still tacky to the touch. Apply the Acrylic Resurfacer Mix in one or two applications at a rate of .05-.07 gallons per square yard per coat.

- 4.0 **APPLICATION OF FORTIFIED PLEXIPAVE** (If Plexicushion is desired, refer to specification Section 10.23 for guidance. Plexicushion is to be applied prior to the Fortified Plexipave).

- 4.1 After the filler coat application has dried (or final Plexicushion application has fully cured), apply two coats of Fortified Plexipave at a rate of .05-.07 gallons per square yard per coat using the following mix:

Plexipave Color Base	30 gallons
Plexichrome	20 gallons
Water	20 gallons

5.0 PLEXIFLOR APPLICATION

- 5.1 Plexiflor is factory premixed and ready to use from the container. The material may be diluted with one (1) part water to six (6) parts Plexiflor to improve flowability and provide uniform application.

- 5.2 **Coverage: Not less than .04 gallons per s.y, per coat. Total application not less than .10 gallons per s.y. A 50-durometer M.F.G. adjustable squeegee shall be used. If total application rate cannot be met in two coats, a third coat will be necessary to meet specification.**

- 5.3 Plexiflor is applied (in a similar manner to Plexipave) in windrows on the surface with sufficient quantity to cover as the squeegee is pulled over the surface. Apply light pressure on the squeegee. Do not allow ridges to form between passes of the squeegee. Ridges existing after material dries should require corrective action.

- 5.4 Plexiflor and its preliminary coatings should be allowed to thoroughly dry prior to application of subsequent coats.