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SECTION 10.34

EXTERIOR/INTERIOR

**SITE IMPROVEMENTS
ATHLETIC FACILITIES**

PLEXIFLOR IN-LINE SKATING SURFACING SYSTEM

1.0 SCOPE

1.1 These specifications pertain to the application of the Plexiflor Color Finish System over recreational areas intended for In-Line Skating activities. The materials specified in the site plans shall be of colors indicated and for application over the Plexipave Acrylic Latex System.

1.2 The work shall consist of suitable cleaning and preparation of the surface to assure a satisfactory bond of the system to the existing surface.

1.3 All coverage rates are calculated prior to dilution.

1.4 Plexiflor In-Line Skating Surface System

- 1 Coat of Acrylic Resurfacer
- 2 Coats of Fortified Plexipave
- 2 Coats of Plexiflor
- Plexicolor Line Paint

2.0 SURFACE PREPARATIONS

2.1 Asphalt – Allow new asphalt to cure a minimum of 6 months, as this will ensure hardening takes place. The surface must be checked for birdbaths, cracks, and other irregularities and repaired with Court Patch Binder according to California Specification Section 10.14. (Surfacing prior to six months may make the asphalt subject to pitting from pressure points on roller blades.)

2.2 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 according to California Specification Section 10.13. Check surface for birdbaths, cracks and other irregularities and repair with Court Patch Binder according to California Specification Section 10.14.

2.3 Court Patch Binder Mix:

- 100 lbs. #80-100 Mesh Silica Sand (dry)
- 3 gallons Court Patch Binder
- 1 to 2 gallons Portland Cement

3.0 APPLICATION OF ACRYLIC FILLER COAT

- 3.1 Application of the Acrylic Resurfacer Mix shall be applied to the clean, dry, level surface 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 Over asphalt surfaces, 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 Non-coated concrete surfaces must be neutralized with Concrete Preparer and primed with California Ti-Coat according to Specification Section 10.17. 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 FORTIFIED PLEXIPAVE

- 4.1 After the filler coat application has dried, apply two coats of Fortified Plexipave at an undiluted rate of 0.5-.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 four (4) 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 only light pressure to 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.

6.0 PLAYING LINES

- 6.1 Four hours minimum after completion of the color resurfacing, playing lines shall be accurately located, marked and painted with Plexicolor Line Paint as specified by The National In-Line Hockey Association.

7.0 GENERAL

- 7.1 The contractor shall remove all containers, surplus materials and debris upon completion of work leaving the site in a clean, orderly condition that is acceptable to the owner. Gates

shall be secured and all containers shall be disposed of in accordance with Local, State, and Federal Regulations.

7.2 Materials specified for the Plexiflor System shall be delivered to the site in sealed, property labeled drums with California Products Corporation labels that are stenciled with the proper batch code numbers. Products packaged or labeled in any other manner will not be accepted. Mixing with clear, fresh water shall only be done at the job site. Coverage rate are based upon material prior to mixing with water as specified.

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.
- Keep from freezing. Do not store in the hot sun.
- Keep containers tightly closed when not in use.
- Plexiflor will not prevent substrate cracks from occurring.
- Plexiflor will mark slightly from normal use of some In-Line Skates.
- Coefficient of friction = 0.78
- Coating Application Drying Time: 30 minutes to 1 hour at 70F with 60% relative humidity.
- Keep court clean. Excess dirt or foreign material can cause the surface to be slippery.
- **In-Line hockey is a physical sport. Always wear NIHA recommended protective gear.**