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## **SECTION 20.00**

EXTERIOR/INTERIOR

**SITE IMPROVEMENTS  
ATHLETIC FACILITIES**

### **PLEXICUSHION PRESTIGE 2000**

#### **1.0 DESCRIPTION:**

A cushioned playing surface for asphalt and concrete designed to prevent existing surface cracks from reflecting through to the Plexipave Color System. The Plexicushion Prestige 2000 System may be applied to both indoor and outdoor asphalt, as well indoor concrete. Application over outdoor concrete requires that a proper vapor barrier has been installed under the slab and appropriate perimeter drainage is in place.

#### **2.0 SURFACE USES:**

- Tennis Courts
- Recreational Surfaces

#### **3.0 MATERIALS:**

- 3.1 Court Patch Binder – shall comply with Specification 10.14 of California Products Corporation.
- 3.2 Acrylic Resurfacer – shall comply with Specification 10.8 of California Products Corporation.
- 3.3 Release Coating – shall comply with Specification 20.10 of California Products Corporation.
- 3.4 Hi-Grab Plexibond Coating – shall comply with Specification 10.11 of California Products Corporation.
- 3.5 Non-woven enhancement scrim – shall comply with Specification 20.20 of California Products Corporation.
- 3.6 Plexicushion Base Coat – shall comply with Specification 10.9 of California Products Corporation.
- 3.7 Fiberglass Scrim – shall comply with Specification 20.30 of California Products Corporation.
- 3.8 Plexicushion – shall comply with Specification 10.6 of California Products Corporation.
- 3.9 Fortified Plexipave – shall comply with Specification 10.2 of California Products Corp. Option: Plexipave Grand Prix – shall comply with Specification 10.32 of California Products Corporation.
- 3.10 Plexicolor Line Paint – shall comply with Specification 10.4 of California Products Corporation.

#### **4.0 LIMITATIONS:**

- Allow each application to dry thoroughly before subsequent applications.
- Do not apply if surface temperature is less than 60F or more than 140F.
- Do not apply over tar-based emulsion sealers.
- Allow asphalt to cure for a minimum of 14 days in summer conditions.
- Allow concrete to cure for a minimum of 28 days in summer conditions.
- Do not use curing agents on concrete surfaces.

- Apply only when ambient temperature is 60F and rising.
- Do not apply when rain is imminent.
- Used mixed material promptly after diluting with water.
- Outdoor concrete must have a vapor barrier.
- Keep containers tightly closed when not in use.
- DO NOT STORE IN HOT SUN. PROTECT FROM FREEZING.

## 5.0 SCOPE:

5.1 This specification pertains to the application of Plexicushion 2000 system over tennis courts and other recreational areas as designated in the site plans. The material shall be for use over indoor and outdoor asphalt, indoor concrete, and outdoor concrete with a proper vapor barrier in place. Application shall be equally durable on each of the specified substrate conditions.

5.2 The work shall consist of suitable cleaning and preparation of the asphalt or concrete to assure a satisfactory bond of the Plexicushion Prestige 2000 system to the substrate.

## 6.0 SURFACE PREPARATION:

The asphalt (or concrete) surface to receive the Plexicushion Prestige 2000 System shall be clean, sound, and free of grease, oils, and other foreign materials. All ridges, cracks, and birdbaths shall be filled and leveled with Court Patch Binder according to Specification 10.14. Surfaces shall have a slope of 1" in 10' in one plane. Variations shall not exceed 1/8" in ten feet measured in any direction with a 10' straightedge.

6.1 Asphalt – Allow asphalt to cure for a minimum of 14 days. Proceed with patches as specified above. Allow all patch work to dry and apply one coat of Acrylic Resurfacer to provide a uniform underlayment according to Specification 10.8

6.2 Concrete – The concrete surface shall have a wood float or light broom finish. DO NOT PROVIDE A STEEL TROWEL FINISH. DO NOT ALLOW ANY CURING AGENTS OR HARDENERS TO BE USED. Acid etch concrete with Concrete Preparer according to Specification 10.13.

Proceed with patching as specified above. Allow all patches work to dry and prime the surface with California Ti-Coat according to Specification 10.17. Acrylic Resurfacer must be applied within 1-3 hours after Ti-Coat application and while the material is dry but still tacky to the touch.

## 7.0 APPLICATION OF MEMBRANE SHEETS:

7.1 Using a squeegee, apply one coat of Release Coating at a rate of .07 gallons per square yard.

7.2 Non-woven enhancement scrim – After the Release Coating has cured, apply one coat of Hi-Grab Plexibond Coating at an application rate of .07 gallons per square yard and roll the Non-woven membrane into the wet Plexibond. Proceed with application of Plexicushion Base Coat. Application rate per coat:

1 <sup>st</sup> coat-	.17-.20 gal. p/sq. yd.
2 <sup>nd</sup> coat-	.25-.28 gal. p/sq. yd.
3 <sup>rd</sup> coat-	.22 gal. p/sq. yd.

7.3 Fiberglass Scrim – Apply one coat of Plexicushion at .16 gallon per square yard and allow to completely dry. Next apply one coat of Hi-Grab Plexibond Coating at an application rate of .07 gallons per square yard and roll the fiberglass membrane into the wet

Plexibond. Proceed with the final two coats of Plexicushion at the following application rates:

2 <sup>nd</sup> coat-	.11 gal. p/sq. yd.
3 <sup>rd</sup> coat-	.11 gal. p/sq. yd.

7.4 Using a squeegee, apply the first coat of Fortified Plexipave at a rate of .07 gallons per square yard. After it has cured, sand the entire surface to remove any protruding rubber particles. Proceed with the final two coats of Fortified Plexipave at the same application rate as the first coat.

**Option:** Plexipave Grand Prix: In lieu of the Fortified Plexipave Application, apply the first coat of Plexipave Grand Prix at a rate of .1 gallon per square yard. After it has cured, sand the entire surface to remove any protruding rubber particles. Proceed with the final two coats of Plexipave Grand Prix at the following application rates:

2 <sup>nd</sup> coat-	.07-.05 gal. p/sq. yd.
3 <sup>rd</sup> coat-	.05-.04 gal. p/sq. yd.

7.5 Paint Lines with Textured Plexicolor Line Paint.

## 8.0 GENERAL:

8.1 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.

8.2 Materials specified for Plexicushion Prestige 2000 System shall be delivered to the site in sealed, properly 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 rates are based upon material prior to mixing with water as specified.