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## SECTION 10.2

### SITE IMPROVEMENTS

### ATHLETIC FACILITIES

EXTERIOR/INTERIOR

LATEX TYPE

RESILIENT UNDERLAYMENT

## PLEXICUSHION® BASE COAT

### DESCRIPTION:

Plexicushion Base Coat is a resilient, asbestos-free latex undercoating to compliment the performance of the Plexicushion® System. Manufactured with EPDM rubber particles, Plexicushion Base Coat is designed to give the Plexicushion® System a softer underlayment and retain extraordinary resiliency properties throughout the life of the court. Plexicushion Base Coat may be applied on both indoor and outdoor asphalt and concrete. Applications over outdoor concrete require that a proper vapor barrier has been installed under the slab and appropriate perimeter drainage is in place.

### SURFACE USES:

- Tennis Courts
- Basketball Courts
- Playground Areas
- Field Houses
- Jogging Tracks

### APPLICATION:

- 50 durometer flexible rubber squeegee.
- Mechanical spray equipment approved by manufacturer. Air diaphragm type pumps with surge preventor.

### DRYING TIME:

Dependent on ambient temperatures and humidity;

- 60°F and rising – 6-8 hours dry time @ 50% relative humidity.
- 70°F and rising – 4 hours dry time @ 50% relative humidity.
- Indoor application – 8 hour dry time with good heat and ventilation (1 coat per day recommended).

### COLOR RANGE:

- Red

### COVERAGE:

- First Coat – .20-.165 gallons per square yard. (5-6 s.y./gal.)
- Second Coat – .28-.25 gallons per square yard. (.3.5-4 s.y./gal.)
- Third Coat (if specified)– .22 gallons per square yard. (4-5 s.y./gal.)

**Note:** When using a mechanical sprayer, the Plexicushion Base Coat shall be applied in three (3) equal applications at a rate of approximately .22 gallons per square yard per coat.

### LIMITATIONS:

- The Plexicushion system will not prevent substrate cracks from occurring or reoccurring.
- Allow each application to dry thoroughly before subsequent applications.
- Do not apply if surface temperature is less than 60°F or more than 140°F
- 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 a minimum of 28 days in summer conditions.
- Do not use curing agents on concrete surfaces.
- Apply only when ambient temperature is 60°F and rising.
- Do not apply when rain is imminent.
- Use mixed material promptly after diluting with water.
- Outdoor concrete MUST have a vapor barrier in place underneath the concrete.
- Keep containers tightly closed when not in use.
- DO NOT STORE IN HOT SUN.
- KEEP FROM FREEZING.

**SPECIFICATIONS  
PLEXICUSHION BASE COAT  
RESILIENT UNDERLAYMENT**

**1.0 SCOPE**

- 1.1 These specifications pertain to the application of Plexicushion Base Coat 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.
- 1.2 The work shall consist of suitable cleaning and preparation of the asphalt or concrete to assure a satisfactory bond of Plexicushion Base Coat to the substrate.

**2.0 SURFACE PREPARATION**

The asphalt (or concrete) surfaces to receive the Plexicushion Base Coat shall be clean, sound, free of grease, oils and other foreign materials. The application contractor shall remove by brush, vacuum or blower (as appropriate in each area for safety and convenience) all dust, dirt, imbedded soil and mechanically wash areas not easily cleaned. 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', all in one plane, and variations shall not exceed 1/8" in ten feet measured in any direction.

- 2.1 Asphalt surfaces shall be allowed to cure for a minimum of 14 days prior to application of the Plexicushion Base Coat System. One application of Acrylic Resurfacer shall be placed to provide a uniform underlayment according to specification 10.8.
- 2.2 Concrete surfaces shall be allowed to cure for a minimum of 28 days. Concrete shall have a wood float or light broom finish. DO NOT PROVIDE A STEEL TROWEL FINISH. DO NOT ALLOW ANY CURING AGENTS OR HARDNERS TO BE USED. Acid etch concrete with Concrete Preparer according to specification 10.13.

Prime the concrete 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 material is still tacky.

**3.0 PLEXICUSHION BASE COAT SYSTEM**

Plexicushion Tournament

1 coat of Acrylic Resurfacer  
2 coats of Plexicushion Base Coat  
3 coats of Plexicushion  
Plexipave Color System

Plexicushion Prestige

1 coat of Acrylic Resurfacer  
3 coats of Plexicushion Base coat  
3 coats of Plexicushion  
Plexipave Color System

**4.0 APPLICATION**

- 4.1 Plexicushion Base Coat should be diluted with one (1) part water to four (4) parts Plexicushion Base Coat to improve flowability. When applying in extremely warm climatic conditions or when using an approved mechanical sprayer, the material may be applied one (1) part water to three (3) parts Plexicushion Base Coat. The Plexicushion Base Coat shall be thoroughly mixed at the job site.
- 4.2 Plexicushion Base Coat 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. Use a 50 durometer flexible rubber squeegee and apply only light pressure to the squeegee to achieve an overall coverage of .165-.20 gal./s.y. Material should be pulled in narrow windrows a distance of no more than 60 feet. Heavy (dried) puddles of materials should be shoveled up and added to fresh mix when necessary. The heavy material should not consist of more than 5% of total mix. Do not allow ridges to form between passes of the squeegee. Any ridges existing after the material has dried can be removed by rubbing with a mason stone or heavy sand paper. If spray application is desired, contact California Products for approved spray machines and recommended application rates.
- 4.3 Base Coat applications should be allowed to thoroughly dry prior to application of subsequent coats. Indoor applications will require more drying time with proper heat and ventilation. Apply subsequent coats in the same manner as the first. The second coat should be applied at a rate of .25-.28 gal./s.y. and, if desired, the third coat should be applied at a rate of .22 gal./s.y.

**5.0 GENERAL**

- 5.1 The contractor shall remove all containers, surplus material 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.
- 5.2 Materials specified for the Plexicushion Base Coat System shall be delivered to the site in sealed, properly labeled drums with California Products Corporation labels and stenciled with the proper batch code numbers. Products packaged or labeled in any other manner will not be accepted. Mixing with clean fresh water shall only be done at the job site. Coverage rates are based upon material prior to mixing with water as specified.