



A Division of California Products • An Employee Owned Company
 150 Dascomb Road, Andover Massachusetts 01810 USA
 Phone: 978-623-9980 / 800-225-1141 • Fax: 978-623-9960
 www.plexipave.com • info@plexipave.com

SECTION 10.8

SITE IMPROVEMENTS
ATHLETIC FACILITIES
SLURRY RESURFACER

EXTERIOR/INTERIOR

ACRYLIC LATEX

ACRYLIC RESURFACER

DESCRIPTION

Acrylic Resurfacer is an asbestos free, acrylic latex binder developed expressly for job mixing with silica sand to obtain a fast drying filler coat that reduces surface porosity in asphalt and concrete pavements. As opposed to other filler coat products, multiple applications of Acrylic Resurfacer does not require rolling between coats.

SURFACE USES

Acrylic Resurfacer may be applied over properly prepared asphalt and concrete sub-bases that are to be surfaced with the Plexipave® or Plexicushion® Surfacing Systems.

APPLICATION

Use a 70 Durometer flexible rubber squeegee; 24", 30", 36" width.

DRYING TIME

Thirty minutes to one hour under optimum outdoor temperature and humidity conditions (70°F, 50% humidity). For indoor application, provide heat and air circulation to expedite drying.

MIXING

A variety of sand gradations can be used depending on the surface condition to be treated. Quantities of sand and water will vary depending on the sand gradation. When using finer gradation less sand should be used to maintain strength in the mix. For leveling or patching, Court Patch Binder mixes should be used (see specification Section 10.14).

Resurfacer Mix (for squeegee application)

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

COVERAGE

Filler Coat: 15-20 square yards per gallons depending on surface texture and porosity (.05-.07 gals/sq. yd.)

LIMITATIONS

- Apply only when ambient temperature is 50°F and rising.
- Do not apply when rain is imminent.
- Do not apply when surface temperature is less than 50°F or more than 140°F.
- Do not apply over tar emulsion sealers.
- Keep containers tightly closed when not in use.
- Keep materials from freezing.
- New asphalt shall be allowed to cure for at least 14 days; concrete shall cure for 28 days. Do not use curing compounds
- Use only with sands free of clay, silt and other foreign materials.
- The Plexipave System will not prevent pavement cracks from occurring.

**SPECIFICATIONS
ACRYLIC RESURFACER**

1.0 SCOPE

- 1.1 This specification pertains to the application of Acrylic Resurfacer over asphalt and concrete tennis courts and other recreational areas as designated in the Site Plans. The material is to be used as a filler coating to reduce surface porosity and obtain a uniform texture prior to applying the Plexipave Color Surface System. Application shall be equally durable over indoor or outdoor asphalt, indoor concrete and outdoor concrete with a proper vapor barrier in place.
- 1.2 The work shall consist of suitably cleaning and preparing the asphalt or concrete to assure a satisfactory bond of the Acrylic Resurfacer Filler Mix, and the subsequent application of the quantity of material specified herein.
- 1.3 Materials shall be delivered to the site in sealed, properly labeled containers and water used in mixing shall be fresh and clear. Coverage rates are based on manufacturer's materials prior to adding sand and mixing with water.

2.0 SURFACE PREPARATION

- 2.1 The surface to receive the Acrylic Resurfacer Mix shall be of uniform texture, clean, and free of grease, oils and other foreign materials.
- 2.2 **Asphalt-** Allow asphalt to cure a minimum of 14 days. Prior to the application of surfacing materials, the entire surface shall be flooded and checked for minor depressions or irregularities. Any puddled 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 measured 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 OF 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 asphalt section.

3.0 APPLICATION OF SURFACE FILLER COAT

- 3.1 Application of the Acrylic Resurfacer Mix shall be applied to a clean, dry, level surface 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

Use clean, dry sand and clear potable water to make mixes. Mix the ingredients thoroughly in a mortar box or mortar mixer. Apply the Acrylic Resurfacer mix with a 70 Durometer rubber bladed squeegee in windrow on the surface with sufficient quantity to cover as the squeegee is pulled over the surface.

- 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 still dry but 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.
- 3.4 Allow the application of Acrylic Resurfacer to dry thoroughly. Scrape off all ridges, and rough spots prior to any subsequent application of Acrylic Resurfacer or Plexipave.
- 3.5 When applying Acrylic Resurfacer indoors, provide adequate heat and ventilation to obtain rapid drying.