CALIFORNIA®
SPORTS SURFACES

PLEXIBOND FIBERGLASS OVERLAY SYSTEM FOR PLEXIPAVE

DESCRIPTION

This specification covers the application of fiberglass membrane on asphalt surfaces in conjunction with the Plexipave System. This technique is generally successful to renew surfaces that exhibit hairline or stabilized surface cracking. It is not a solution to structural cracking or base failure. This system extends the life expectancy of asphalt surfaces not yet ready for major structural repair.

WEATHER LIMITATIONS

No part of the installation shall be conducted during rainfall, or when rainfall is imminent. The air and surface temperature must be a minimum of 50°F (10°C) and rising. Do not apply when surface temperature is above 140°F (60°C).

COURT PATCHING

The surface to be coated must be sound, smooth, and free from dust, dirt or oily materials. Prior to the application of surfacing materials, the entire surface should be flooded and left in direct sunlight for one hour under ideal conditions and checked for minor depressions or irregularities. Any puddled area that exceeds 1/8 inch in depth shall be marked and repaired with Court Patch Binder using the following mix:

100 lbs. (45kg) of 60-80 mesh silica sand (dry)
3 gallons (10L) Court Patch Binder
12-24 lbs. (5.5-11 kg) dry Portland Cement (depending on humidity and temperature)
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 patching. After patching, the surface shall not vary more than 1/8 inch in ten feet measured in any direction. Edges of the patch should be sanded down, as necessary, to avoid ridges.

CRACK FILLING

California Crack Filler may be applied by hand trowel or small broad knife to force crack filler into cracks. Do not dilute. Cracks need to be cleaned and free of moisture. Will not prevent the reappearance of cracks in the substrate.

PLEXIBOND AND FIBERGLASS INSTALLATION:

The Plexibond Coating shall be diluted 2 parts Plexibond to 1 part water prior to application. Apply Plexibond Coating using a “wet on wet” method. The fiberglass shall be rolled out into the Plexibond and stretched tightly over the entire surface. Adjacent panels shall be overlapped a minimum of 3” (7.5cm). Wrinkles in the fiberglass membrane shall be corrected prior to application of the Acrylic Resurfacer.

ACRYLIC RESURFACER

In order to thoroughly mask and embed the fiberglass membrane, a minimum of two coats of California Acrylic Resurfacer shall be placed on the cured fiberglass membrane. Acrylic Resurfacer shall be applied to obtain a coverage rate of .05-.07 gallons per square yard (.16-.22 liters per square meter) per coat, prior to any dilution. No application shall be covered by a succeeding application until thoroughly cured. Dilution with water and sand is required utilizing the following mix ratio:

Acrylic Resurfacer	Sand 40-60 mesh	Mix	Clean, potable Water	Mix
18 gallons	225-250	5 minutes or until uniform	8-12 gals	5 mins or until uniform
Mix should not sit more than 20 minutes prior to application.				
Cure time is approximately 2-4 hours under ideal conditions.				
Liquid Yield 37-46 gallons (141-177L)				

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Application methods:

- Use a 50-70 durometer rubber squeegee to level material across the court.
- After initial pour, acrylics should not be poured onto dry surface. Pour additional materials into existing wet windrow.
- Care should be taken not to leave ridges where adjoining applications overlap.
- Under hot conditions, application is improved by keeping surface damp with a fine mist water spray. Do not allow water to puddle.

PLEXIPAVE TEXTURED COURSE

Plexipave shall be applied to a clean, dry surface in a minimum of 2 applications to obtain a total quantity of not less than .10 gallons per square yard (.32 liters per square meter), prior to any dilution. No application shall be covered by a succeeding application until thoroughly cured.

Plexipave Ultra Performance	Color Base	Mix	Clean, potable Water	Mix
20 gallons	30 gallons	5 minutes or until uniform	20 gallons	5 mins or until uniform
Mix should not sit more than 20 minutes prior to application.				
Cure time is approximately 4 hours under ideal conditions.				
Liquid Yield 25 gallons (133L)				

The diluted material shall be homogenous. The finished surface shall have a uniform appearance and be free from ridges and tool marks.

The above mix gives the best result and appearance when done in conjunction with a Plexipave Finish Course. For resurfacing or other projects that only call for two coats of acrylic color, then the following ratio should be used:

Plexipave Ultra Performance	Color Base	Mix	Clean, potable Water	Mix
10 gallons	15 gallons	5 minutes or until uniform	15 gallons	5 mins or until uniform

Allow textured Plexipave to cure at least 4 hours before continuing to the Plexipave finish coat.

PLEXIPAVE FINISH COURSE

A finish coat of non-textured Plexipave Ultra Performance will give your playing surface a consistent and uniform appearance. Plexipave should be applied to a clean, dry surface in one application to obtain a total quantity of not less than .04 gallons per square yard (.15 liters per square meter), prior to any dilution

Plexipave Ultra Performance	Clean, potable Water	Mix
10 gallons	5 gallons	5 mins or until uniform
Mix should not sit more than 20 minutes prior to application.		
Cure time is approximately 4 hours under ideal conditions.		
Liquid Yield 35 gallons (133L)		

PLAYING LINES – Four hours minimum after completion of the color resurfacing, the appropriate line markings for the desired sport shall be accurately located, marked, and painted with California Line Paint as specified. For cleaner, sharper line markings, it is recommended that the masking tape be sealed with either Line Rite or undiluted Plexipave, prior to the application of the Line Paint.

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Allow finished surface to cure a minimum of 24 hours before opening surface to use.

LIMITATIONS
Will not prevent surface or structural cracks from occurring or reoccurring
Will not prevent metal or organic staining if there are contaminants in the subsurface.
Do not allow product to freeze.
Do not store in direct sunlight.
Indoor applications will require a minimum constant temperature of 70°F (21°C) and proper air ventilation.

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