

# California<sup>®</sup> Acrylic Resurfacer 920-29 4200

## ACRYLIC BASE FOR RECREATIONAL SURFACES

### 1.0 MATERIAL DESCRIPTION

Acrylic Resurfacer is a concentrated 100% acrylic latex binder designed for field mixing with silica sand and is to be applied to recreational surfaces constructed of hot-mix asphalt or Portland cement concrete.

### 2.0 INTENDED USE

Acrylic Resurfacer is intended for preparing new asphalt or concrete surfaces as well as existing acrylic surfaces for color coating.

### 3.0 PHYSICAL PROPERTIES

Color:	Black
Coverage Rate (undiluted)	0.06 gallons/sq. yd.
Weight per gallon:	8.8 lbs.
Curing conditions:	70°F & 50% relative humidity
Estimated cure time:	2 hours
Minimum ambient, surface & product installation temperature:	60° and rising

*Note:* Low temperatures or high humidity will increase drying time drastically. Maximum surface temperature = 140° F.

### 4.0 SURFACE PREPARATION

#### 4.1 Base Construction

Surface must meet or exceed the American Sports Builders Association (ASBA) applicable Guidelines. Upgrading and recoating previously colored surfaces requires the surface and base construction to be in sound condition and in compliance with the applicable ASBA Guidelines.

#### 4.2 Substrate Cure Requirements

New hot-mix asphalt surfaces must be allowed a minimum of 14 days cure time before application of Acrylic Resurfacer. For new, Portland cement concrete surfaces, a minimum of 28 days cure time is required. After 28 days, new concrete must be acid-etched with either phosphoric or muriatic acid. Application may begin thereafter.

#### 4.3 Surface Condition

The surface on which Acrylic Resurfacer is to be applied must be smooth, free of dirt, loose or flaking paint, oily materials or chemical residues, vegetation of any sort and any other debris or foreign matter that may prevent the proper product adhesion. Thoroughly rout existing cracks of

dirt, debris and loose impediments. Cracks should be blown clean with an air compressor. After cleaning, apply Crack Filler 64061 to fill cracks. Consult the data sheet for application information.

#### 4.4 Surface Imperfections

Before application of primers or Acrylic Resurfacer, the court surface shall be flooded with water and allowed to drain. Any depressions capable of submerging a U.S. five-cent piece after one hour should be marked with chalk, not crayon or a grease pencil. These areas must be allowed to thoroughly dry. Once dried, a patch must be applied to the marked area. For patching products and mix designs, please refer to the product data sheet for Court Patch Binder 920-39.

#### 4.5 Priming

- Priming of asphalt surfaces is only necessary if existing asphalt is too badly weathered to establish a strong bond with the Acrylic Resurfacer. In the case of extremely oxidized asphalt surfaces, contact your Deco Area Manager.
- When applying Acrylic Resurfacer to new concrete surfaces, a primer is necessary to improve adhesion. Deco Surfacing Systems offers California Ti-Coat, a two-package water based epoxy primer. Consult the respective data sheets for proper application.
- If the concrete surface has been previously coated with acrylic material, no priming is necessary.

### 5.0 MIXING INSTRUCTIONS

The following mix has been found to be satisfactory for average surface conditions:

Acrylic Resurfacer	55 gallons	30 gallons
Silica Sand (60 - 80 Mesh)	600-900 lb.	325-400 lb.
Clean potable water	20-40 gallons	11 - 22 gallons

#### 5.1 Sand Mix

**Do not use sand containing clay, silt, ferrous metals or salt.** The outcome of the Resurfacer mix depends heavily on what type of sand you chose. Our specifications are based on 60-80 mesh sand. The addition of the silica sand should be done slowly, under agitation.

#### 5.2 Water Mix

In no case should Acrylic Resurfacer be diluted more than three (3) parts Acrylic Resurfacer to two (2) parts water. The quantity of water required will vary with moisture content and gradation of the sand and the consistency needed for good application characteristics.

#### 5.3 Resurfacing Mix

After the addition of sand and water to the Acrylic Resurfacer concentrate, thorough mixing is required. A mechanical drill mixer is recommended and mixture should be stirred until homogeneous. Periodic mixing should take place as the job progresses to ensure consistent application.

## **6.0 GUIDE TO APPLICATION**

### **6.1 System Recommendations**

Deco recommends one 1-2 coats of Acrylic Resurfacer prior to the application of any Deco Surfacing System. If using the Street Ice system, a minimum of two (2) coats is recommended. See Street Ice S/I-3 for further information.

### **6.2 Installation**

Using a flexible rubber squeegee, apply Acrylic Resurfacer mix parallel to one of the sides of the surface area. 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. Never allow water to pool on the surface.

### **6.3 Drying and Cure Time**

Acrylic Resurfacer must be allowed to cure a minimum of 2 hours before applying acrylic coatings.

## **7.0 COVERAGE**

The undiluted coverage rate is approximately 0.06 gallons per square yard, per application

## **8.0 CLEAN-UP**

All equipment can be cleaned with water if clean-up occurs immediately after application.

## **9.0 LIMITATIONS**

### **9.1 Surface Limitations**

Acrylic Resurfacer is limited to application on hot-mix asphalt and Portland cement concrete recreational surfaces. Deco Surfacing Systems does not recommend, nor authorize the application of Acrylic Resurfacer on any other surfaces without prior approval from your Deco Area Manager.

### **9.2 Weather Limitations**

No part of the construction involving the Deco Surfacing System should be conducted during rainfall, or when rainfall is imminent. The air temperature must be at least 60°F and rising. Do not apply when surface temperature is above 140°F.

### **9.3 Do Not Over Dilute**

The maximum dilution ratio is 3:2. Over dilution will cause streaking, foaming, adhesion failure, sand fall-out and poor overall durability of the coating.

### **9.4 Indoor Application Drying**

Drying times are retarded by high humidity, cool temperatures or lack of air movement. This is particularly important to note when installing indoors, where all three factors are often very pronounced.

### **9.5 Keep From Freezing**

Acrylic Resurfacer is a water-based acrylic system and it must be kept from freezing during storage or in transit. If you receive product you suspect may have been exposed to freezing temperatures, consult your Deco Surfacing Systems Representative for proper handling instructions.

## **10.0 LIMITED WARRANTY**

The Company warrants that the products to be delivered and sold there under are the kind and quality described in its specifications and no other warranty, except of title, is expressed or implied. All other warranties and/or liabilities, including consequential damages, are specifically excluded whether the directions for a product's use are followed or not. Notification of any apparent defect or defects shall be made promptly in writing to the Company. Should any product (unless sold as is) prove, upon our inspection, to be defective in workmanship or materials in accordance with the specifications, the Company will replace the product or refund the purchase price. No person has the authority of the Company to make or accept any other warranty, liability, or conditions on the Company's behalf. If the above stated conditions of this warranty are unacceptable, the purchaser may return, at his expense, all unopened packages, bags or containers for credit within 30 days from the date of purchase.

## **11.0 FOR FURTHER INFORMATION**

California Products Corporation manufactures many different recreational surface products. For additional information contact us at:

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