DecoColor® Installation Guideline

FOR NEW OR EXISTING ASPHALT SURFACES

Scope

This Installation Guideline is intended as a general reference to describe product usage and construction techniques which will tend to provide an evenly textured, color surface for new or existing hot mix asphalt pavement tennis courts or recreational surfaces.

1.0 SURFACE PREPARATION

1.1 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.

1.2 Substrate Curing Requirements

New hot-mix asphalt surfaces must be allowed a minimum of 14 days cure time before application of Deco Surfacing products.

1.3 Crack Filling

The surface 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 Deco Crack Filler 64061 to fill cracks. See Specification 64061 for details.

1.4 Surface Imperfections

Before the application of Deco products, 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, apply Acrylic Patch Binder 920-39 to the marked area. See Specification 920-39 for details.

1.5 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.

2.0 REQUIRED MATERIAL FOR DecoColor on Asphalt

The following products will be referenced in this Installation Guideline. For detailed product information consult the individual Specifications:

Deco Crack Filler 64061
Acrylic Patch Binder 920-39
Acrylic Resurfacer 920-29
DecoBase I 920-05
DecoColor MP Classic 920-27
White Line Paint 920-22

3.0 APPLICATION OF ACRYLIC RESURFACER 920-29.

Deco recommends 1-2 coats of Acrylic Resurfacer 920-29 prior to the application of any Deco Surfacing System. The undiluted coverage rate for Acrylic Resurfacer is approximately 0.06 gallons per square yard, per application.

3.1 Mixing Instructions

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

Acrylic Resurfacer 920-29	55 gallons	30 gallons
Silica Sand (60 - 80 mesh)	600 - 900 lbs.	325 - 400 lbs.
Clean potable water	20-40 gallons	11- 22 gallons

Do not use sand containing clay, silt, ferrous metals or salt.

Thorough mixing is required. A mechanical mixer is recommended and mixture should be stirred until homogeneous. Periodic mixing should take place as job progresses to ensure consistent application. In very warm conditions more water may be added.

3.2 Installation

Using a 50-70 durometer 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.

3.3 Drying and Cure Time

Acrylic Resurfacer must be allowed to cure a minimum of 2 hours before applying additional acrylic coatings, assuming 70°F temperatures and 50% relative humidity. Low temperatures and high humidity will increase drying time dramatically.

4.0 APPLICATION OF DECOCOLOR TEXTURE COURSE

The DecoColor surfacing system consists of two distinct components, DecoBase I acrylic texture coating and DecoColor MP Classic. DecoBase I is supplied as an unpigmented concentrate intended to be tinted with DecoColor MP Classic. Two (2) texture course applications have proven to give excellent performance results. The undiluted coverage rate for the DecoColor texture course is approximately 0.05 gallons per square yard, per application.

4.1 Mixing Instructions

The following mixes have been found to be satisfactory for average surface conditions:

DecoBase I 920-05	55 gallons
DecoColor ® MP Classic920-27	15 gallons
Clean potable water	23 gallons

Thorough mixing is required. A mechanical mixer is recommended and mixture should be stirred until homogeneous. Periodic mixing should take place as job progresses to ensure consistent application. In very warm conditions more water may be added.

4.2 Installation

Using a 50 durometer flexible rubber squeegee apply DecoBase I mix parallel to one of the sides of the area to be coated. Care should be taken not to leave ridges where adjoining applications overlap. Application in hot conditions are improved by keeping surface damp with a fine mist water spray. Additional applications should be installed at 90° to the previous application.

4.3 Drying and Cure Time

The DecoColor Texture Course must be allowed to dry 4 hours before another coating can be applied, assuming 70°F temperatures and 50% relative humidity. Low temperatures and high humidity will increase drying time dramatically.

5.0 APPLICATION OF DECOCOLOR FINISH COURSE

One (1) finish course of DecoColor MP Classic has proven to give excellent performance results. The undiluted coverage rate for the DecoColor finish course is approximately 0.04 gallons per square yard, per application.

5.1 Mixing Instructions

The following mixes have been found to be satisfactory for average surface conditions:

DecoColor MP Classic 920-27	55 gallons	30 gallons
Clean potable water	38 gallons	20 gallons

Thorough mixing is required. A mechanical mixer is recommended and mixture should be stirred until homogeneous. Periodic mixing should take place as job progresses to ensure consistent application. In very warm conditions more water may be added.

5.2 Installation

Using a 50 durometer flexible rubber squeegee apply DecoColor MP Mix parallel to one of the sides of the area to be coated. Care should be taken not to leave ridges where adjoining applications overlap. Applications in hot conditions are improved by keeping surface damp with a fine mist water spray. No pooling should be allowed. Additional applications should be installed at 90° to the previous application. Follow squeegee application with a broom finish.

5.3 Drying and Cure Time

DecoColor MP must be allowed to dry for 4 hours between coating applications, assuming 70°F temperatures and 50% relative humidity. Low temperatures and high humidity will increase drying time dramatically.

6.0 APPLICATION OF WHITE LINE PAINT 920-22

One (1) application has proven to give excellent coverage. Approximately 3/4 gallon is needed for a standard tennis court.

6.1 Mixing Instructions

White Line Paint comes ready to apply. Only gentle stirring is necessary. DO NOT DILUTE.

6.2 Striping Layout

Consult the American Sports Builders Association specifications for proper striping layouts for the recreational surface.

6.3 Application

Apply White Striping Paint 920-22 to the clean, dry, color coated surface by brush, roller, airless spray or special marking equipment. Apply tape to both sides of the area to be striped. Apply a primer coat of the final acrylic color coating over the inside edges of the tape. This will seal the tape to the acrylic surface and prevent the White Striping Paint from bleeding under the tape. One coat is usually enough.

6.4 Drying and Cure Time

White Striping Paint must be allowed to dry for 4 hours between coating applications. Completed projects should be allowed 24 hours before releasing to play.

7.0 LIMITATIONS

7.1 Surface Limitations

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

7.2 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 60ºF and rising. Do not apply when surface temperature is above 140ºF.

7.3 Will Not Prevent Cracks

No part of the installation will prevent cracks from occurring or prevent existing cracks from reappearing.

7.4 Do Not Over Dilute

Over dilution can cause streaking, foaming, adhesion failure, sand fall-out and poor overall durability of the coating.

7.5 Indoor Application Curing

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. Consult your Deco Technical or Sales Representative for dry time requirements.

7.6 Keep From Freezing

Water-based, acrylic products 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 Area Manager for proper handling instructions.

8.0 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.

9.0 FOR FURTHER INFORMATION

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

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