



PRODUCT DESCRIPTION

DecoCoat Polymer Systems DP250 is a two-component advanced waterborne epoxy-modified acrylic coating specifically designed for application on textured (stamped) or non-textured (flat) asphalt pavements. One of **DecoCoat Polymer Systems DP250's** most important characteristics is that, unlike normal waterborne coatings, **DecoCoat Polymer Systems DP250's** unique design allows it to maintain durability even when wet. **DecoCoat Polymer Systems DP250's** flexibility, adhesion and elongation allow for the expansion and contraction that is a characteristic of asphalt (flexible) pavements without cracking. **DecoCoat Polymer Systems DP250's** extends asphalt life by providing protection from the harmful effects of oxidation due to UV exposure and weathering.

WARRANTY

See applicable warranties and guarantees for complete coverage and restrictions.

PACKAGING & SHELF LIFE

One unit of **DecoCoat Polymer Systems DP250's** consists of: (1) - 3.5 gallon (13.2 liter) bucket of Part A

(1) - 1 quart (0.95 liter) container of Part B

(1) - chosen **DecoCoat Polymer Systems Colorant** (sold separately)

Shelf life 24 months if unopened containers stored between 40°F and 90°F (4°C and 32°C).

BASIC USES & ADVANTAGES

DecoCoat Polymer Systems DP250 is combined with **DecoCoat Polymer Systems DP250 Colorants** to offer a wide range of colors and can also be combined with **DecoCoat Polymer Systems Solar Reflective (SR) Colorants** to produce a cool pavement surfaces for compliance with LEED specifications for urban heat island mitigation and to provide more comfortable environments. **DecoCoat Polymer Systems DP250** is also used in the Premium System. **DecoCoat Polymer Systems DP250** meets EPA requirements for Volatile Organic Compounds (VOC) and

creates no unpleasant odors during or after installation. **DecoCoat Polymer Systems DP250** is fully recyclable with the asphalt. **DecoCoat Polymer Systems DP250** friction properties are suitable for both pedestrian and vehicular applications.

Uses:

- Asphalt parking lots, crosswalks, driveways, bus and cycle lanes, pathways, level and raised medians, entryways
- Asphalt preservation
- Can be used on concrete with surface primer

PRODUCT CHARACTERISTICS

DecoCoat Polymer Systems DP250	
Density	13.7 lb/gal, 1.65 g/mL [ASTM D1475]
Volume Solids	59 (±2) [ASTM D2697]
Weight Solids	72% (±2) [ASTM D1644]
VOC (calculated)	<25 g/L
Taber Abrasion (Dry - H-10 wheel)	0.33 g/1000 cycles [ASTM D4060]
Taber Abrasion (Wet - H-10 wheel)	0.14 g/1000 cycles [ASTM D4060]
Mandrel Bend	1/8" @ 23°C [ASTM D522]
Water Absorption	7.98% [ASTM D570]
Permeance	5.6 perms [ASTM D1653]
Adhesion	692 psi [ASTM D4541]

Drying Time (Touch Dry)	1-4 hours at 77°F (25°C) and 40% humidity [ASTM D5895]
Friction	Dry - 81.3 Wet - 77.3 [ASTM E303]
Hardness	80.8 [ASTM D2240]
Freeze Point	32°F (0°C)
Application Temperature	+50°F to 105°F (Ambient) (10°C to 40°C)
Standard Colorants (17)	Bedrock, Black, Brick, Brown Suede, Burnt Sienna, Concrete Grey, Granite, Hunter Green, Marigold, Nutmeg, Pewter, San Diego Buff, Sierra, Slate, Sunset Blush, Taupe, & Terra Cotta
Solar Reflective Colorants (11)	SR White, SR Brownstone, SR Evergreen, SR Fawn, SR Irish Cream, SR Khaki, SR Safety Blue, SR Sandstone, SR Slate, SR Sun Baked Clay, & SR Terra Cotta

APPLICATION INSTRUCTIONS

Mixing: Each mixed unit of **DecoCoat Polymer Systems** coating consists of a Part A pail to which a Part B, your chosen colorant and 1 quart (0.95L) of water (empty part B can). Mix pail for 3 minutes. In warmer conditions add a total of 1.5 quarts (1.4L) of water to improve workability before mixing. In cooler conditions add only a total of ½ quart (0.47L) of water to improve dry time before mixing.

Surface Preparation: Dirt, debris, water and contaminants sitting on the surface will affect adhesion. Thoroughly clean surface using a broom and backpack blower or, in severe situations, use a power washer. Areas containing chemical contaminants such as vehicle fluids need to be treated using a degreasing solution. Proper re-removal of contaminants and degreasing solution is

necessary prior to coating application. Care should be taken to ensure that the substrate is dry before applying the coating. Consult the **DecoCoat Polymer Systems** Substrate Guide if you are unsure of the quality of the surface. An environmentally friendly cleaner should be used. Adhesion promoter may be used for polished asphalt. Some concrete applications will require a primer. No precipitation should be expected within 24 hours.

Recommended Coverage Rate: **DecoCoat Polymer Systems DP250** may be applied in thin coats coat by brush, roller or textured sprayer. Typical pedestrian applications require 3 layers of coating. Vehicle applications require 4 layers or more depending on the amount of traffic. Consult the most up to date specification on www.decocoatsystems.com for more details.

APPLICATION INSTRUCTIONS, CONT'D

Recommended Application Coverage Rates:

# OF LAYERS	COVERAGE (approx)		THICKNESS (approx)			
	ft ² /unit*	m ² /unit*	WET		DRY	
			mm	mil	mm	mil
3	200	18.6	0.84	33	0.48	19
4	150	13.9	1.12	44	0.66	26
5	120	11.2	1.4	55	0.81	32
6	100	9.3	1.68	66	0.97	38

*1 unit is a nominal 5 gallon pail comprising Part A, Part B and Colorant (approximately 4.12 gallons). 1 unit when sprayed as a single layer covers approximately 600sqft (55.7 sqm), with an approximate thickness of 6.3mil (0.16mm) dry.

DecoCoat Polymer Systems Sealer Concentrate can be applied to the surface of **DecoCoat Polymer Systems DP250** once the last layer of coating is dry to the touch. Coating must be allowed to cure before introducing traffic. Cure time vary based on climate conditions and range between 6-24 hours.

LIMITATIONS & PRECAUTIONS

Ambient and surface temperatures must be 50°F (10°C) and rising before coating application. Do not ship or store unless protection from freezing is available. Use **DecoCoat Polymer Systems** concrete primers when applying to concrete substrates. No precipitation should be expected within 24 hours.

CLEAN UP

Thoroughly rinse application equipment with clean water before it dries.

SAFETY & HANDLING

For specific information regarding safe handling of this material please refer to the Safety Data Sheet (SDS).