

SB120 Pavement Coating (Part A & B)

Commercial Product Data Sheet



USES & ADVANTAGES

Uses:

- Driveways, pathways, raised medians, pedestrian plazas
- Asphalt preservation
- Can be used on concrete with proper surface preparation (See Substrate Guide)

StreetBond SB120® Pavement Coating is combined with StreetBond Colorants to offer a wide range of colors and can also be combined with StreetBond Solar Reflective (SR) Colorants to produce a cool pavement surface for compliance with LEED

specifications for urban heat island mitigation and to provide more comfortable environments for non-vehicular applications.

StreetBond SB120 Pavement Coating creates no unpleasant odors during or after installation. StreetBond SB120 Pavement Coating is fully recyclable with the asphalt. StreetBond SB120 Pavement Coating's friction properties are suitable for both pedestrian and vehicular applications.

PRODUCT DESCRIPTION

StreetBond SB120 Pavement Coating is a two-component extended version of StreetBond SB150 advanced waterborne epoxy-modified acrylic coating. StreetBond SB120 has been formulated for use on pedestrian applications such as raised medians, plazas and pathways and very low-to-no vehicular traffic applications. StreetBond SB120 Pavement Coating is designed to have about 2/3 of the wet durability of Street-Bond SB150. Although its durability is less than that of StreetBond SB150, it has all the same balanced properties: flexibility, adhesion, color stability and chemical resistance. StreetBond SB120 Pavement Coating will also extend asphalt life by providing protection from the harmful effects of oxidation due to UV exposure and weathering.

WARRANTY

See applicable warranties coverage and restrictions.

PACKAGING & SHELF LIFE

One unit of StreetBond SB120 Pavement Coating consists of:

- (1) - 5 gallon (19 liter) bucket of Part A
- (1) - 1 pint (0.47 liter) container of Part B
- (1) - Colorant (sold separately)

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

PRODUCT CHARACTERISTICS

STREETBOND SB120	
Density	14.0 lb/gal, 1.67 g/mL [ASTM D1475]
Volume Solids	54 - 61% [ASTM D2697]
Weight Solids	71.5 - 77.5% [ASTM D2369]
VOC (calculated)	<50 g/L
Taber Abrasion (Dry - H-10 wheel)	< 1.0 g/1000 cycles [ASTM D4060]
Taber Abrasion (Wet - H-10 wheel)	< 4.0 g/1000 cycles [ASTM D4060]
Mandrel Bend	1.0 in. - 1.5 in. @ 25°C [ASTM D522-93A]
Water Absorption	3.5 - 6.5% [ASTM D471]
Permeance	13.4 g/m ² / 24hr/mmHg (52 mils)[ASTM D1653]

Drying Time (Touch Dry)	1-4 hours at 77°F (25°C) and 40% humidity [ASTM D5895]
Friction	Dry = 75 - 95 Wet = 55 - 75 [ASTM E303]
Freeze Point	32°F (0°C)
Application Temperature	50°F to 105°F (10°C to 40°C)
Colorants	See Pavement Coating Color Guide for colors

APPLICATION INSTRUCTIONS

Mixing: Add Part B pint can, your chosen colorant and 1 quart (0.95L) of water (two empty part B pint cans) into Part A pail. 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 (1 pint / 0.47L) of water to improve dry time.

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 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 StreetBond Substrate Guide if you are unsure of the quality of the surface. An environmentally friendly cleaner should be used.

StreetBond Adhesion Promoter Concentrate may be used for polished asphalt. Some concrete applications will require a primer. No precipitation should be expected within 24 hours of product application.

Recommended Application: StreetBond SB120 Pavement Coating may be applied in thin coats coat by brush, roller or textured sprayer. Typical pedestrian applications require 3 layers of coating. Heavy pedestrian applications require 4 layers.

Coating must be allowed to cure before introducing foot traffic. Cure times vary based on climate conditions and range between 6-24 hours.

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APPLICATION INSTRUCTIONS, CONT'D

Recommended Application Coverage Rates:

# OF LAYERS	COVERAGE (approx.)		THICKNESS (approx.)			
	sq ft/unit*	m2/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

*One unit is a nominal 5 gallon pail comprising Part A, Part B and Colorant (approximately 4.12 gallons). One unit when sprayed as a single layer covers approximately 600 sq ft (55.7 m²), with an approximate thickness of 6.3 mil (0.16 mm) dry.

Note: 1. Exceeding the recommended application rate can lead to cracking and improper curing of the product.

2. One fewer application layer can be considered for unstamped surfaces provided the correct total dry mils are achieved.

Contact Siplast technical services with questions at 1-800-922-8800.

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 StreetBond concrete primers for concrete substrates. No precipitation should be expected within 24 hours of product application.

StreetBond SB120 Pavement Coating cannot be used as part of the StreetBond Premium System.

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).