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SB120 Pavement Coating (Part A & B)

Technical Data Sheet

StreetBond SB120 Pavement Coating is a two-component extended version of StreetBond SB150 advanced water-borne 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 including cycle lanes. 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 weathering.

Contact StreetBond for information on approved product uses.

Product Characteristics

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)	0.33 - 1.0 g/1000 cycles [ASTM D4060]
Taber Abrasion (Wet - H-10 wheel)	1.8 - 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]
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]
MEK scrubs	5,000 cycles ASTM D2486 (modified) Pass
Freeze Point	50°F to 113°F (10°C to 45°C)
Colorants	See Pavement Coating Color Guide for colors

PRODUCT INFORMATION

Uses & Advantages

Uses:

- Driveways, cycle lanes, 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.

Warranty

StreetBond products are covered under the StreetBond 1-Year Limited Warranty. See streetbond.com for complete coverage and restrictions. Additional coverage may be available for purchase for eligible projects. Please contact your GAF - StreetBond representative for details.

Packaging & Shelf Life

One unit of StreetBond SB120 Pavement Coating consists of:
 (1) - 3.75 gallon* (14.2 liter) of Part A in a 5 gallon pail
 (1) - 1 pint (0.47 liter) container of Part B
 (1) - Colorant (sold separately)

*Filled by weight

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

PRODUCT INFORMATION

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.

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

Recommended Coverage Rate

# OF LAYERS	Coverage (approx.)		Thickness (approx.)			
	sqft/unit*	m ²	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 normal 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 sqft (55.7 m²), with an average dry thickness of 6.3 mil (0.16mm).

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.

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.

No precipitation should be expected within 24 hours of product application.

Preparation including bead blasting and application of StreetBond concrete primers is recommended when applying to concrete substrates.

Cleanup

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).