

150 AL Pavement Coating (Part A & B)

Commercial Product Data Sheet



BASIC USES & ADVANTAGES

StreetBond® 150 AL 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 surfaces for compliance with LEED specifications for urban heat island mitigation and to provide more comfortable environments. StreetBond 150 AL meets EPA requirements for Volatile Organic Compounds (VOC) and creates no unpleasant odors during or after installation. StreetBond 150 AL is fully recyclable with the asphalt. StreetBond 150 AL's friction properties are suitable for both pedestrian and light, low speed vehicular applications.

Uses:

- Asphalt parking lots, crosswalks, driveways, cycle lanes, pathways, level and raised medians
- As a top layer over StreetBond 150 to slightly moderate the surface texture
- Asphalt preservation
- Can be used on concrete with proper surface preparation and primer

PRODUCT DESCRIPTION

StreetBond 150 AL is a two-component advanced waterborne epoxy-modified acrylic coating specifically designed for application on textured (stamped) or non-textured (flat) asphalt pavements. StreetBond 150 AL has a modified aggregate blend allowing for application with an airless sprayer. StreetBond 150 AL's unique design allows it to maintain durability even when wet. StreetBond 150 AL's flexibility, adhesion and elongation allow for the expansion and contraction that is a characteristic of asphalt (flexible) pavements without cracking. StreetBond 150 AL can extend asphalt life by providing protection from the harmful effects of oxidation due to UV exposure and weathering.

WARRANTY

See applicable warranties for complete coverage and restrictions.

PACKAGING & SHELF LIFE

One unit of StreetBond 150 AL consists of:
 (1) - Part A: 5 gal pail (Net content: 3 gal, 11.35 L)
 (1) - *Part B: 1 quart can (Net content: 0.64 qt, 0.61 L)
 (1) - *Colorant (Net content: varies)
 *Part B and Colorant sold separately
 or
 (1) - Part A: 55 gallon drum (Net content: 36 gal, 136.2 L)
 (1) - *Part B: 2 gal pail (Net content: 1.6 gal, 6 L)
 (1) - *Colorant: 2 gal pail (Net content: varies)
 *Part B and 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 150 AL	
Density	11.1 lb/gal, 1.33 g/mL [ASTM D1475]
Volume Solids	45.2% [ASTM D2697]
Weight Solids	59.3% [ASTM D1644]
VOC (calculated)	<50 g/L
Taber Abrasion (Dry - H-10 wheel)	< 0.05g/1000 cycles Wear Index [ASTM D4060]
Taber Abrasion (Wet - H-10 wheel)	< 2.5 g/1000 cycles Wear Index [ASTM D4060]
Mandrel Bend	0.5 in. - 1.0 in. [ASTM D522]
Water Absorption	10% [ASTM D570]
Permeance	5.6 perms [ASTM D1653]
Adhesion	300 - 1400 psi [ASTM D4541]

Drying Time (Touch Dry)	1-4 hours at 77°F (25°C) and 40% humidity [ASTM D5895]
Friction	Dry = 55 - 90 Wet = 35 - 70 [ASTM E303]
Hardness	80.8 [ASTM D2240]
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: Each mixed unit of StreetBond coating consists of a Part A pail to which a Part B, your chosen colorant and 1 quart (0.95 L) of water (empty part B can). Mix pail for 3 minutes. In warmer conditions add a total of 1.5 quarts (1.4 L) of water to improve workability before mixing. In cooler conditions add only a total of 1/2 quart (0.47 L) 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 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 Coverage Rate: StreetBond 150 AL may be applied in thin coats coat by brush, roller or airless sprayer. Typical pedestrian applications require 3 layers of coating. Vehicle applications require 4 layers or more depending on the amount of traffic.

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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
1	800	74.3	0.20	8	0.09	3.6
2	400	37.2	0.42	16	0.19	7.2
3	267	24.8	0.63	24	0.28	11
4	200	18.6	0.84	33	0.38	15

*One unit is a nominal 5 gallon pail comprising Part A, Part B and Colorant.

Note:

1. Exceeding the recommended application rate per layer 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.

StreetBond Sealer Concentrate can be applied to the surface of StreetBond 150 AL once the last layer of coating is dry to the touch. Coating must be allowed to cure before introducing traffic. Cure time will vary based upon 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 StreetBond concrete primers when applying to concrete substrates. No precipitation should be expected within 24 hours of product application.

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).