

StreetBond 90 Pavement Coating (Part A & B)

Commercial Product Data Sheet



USES & ADVANTAGES

Uses:

StreetBond® 90 Pavement Coating is used for the following asphalt surfaces:

- Parking lots
- Driveways
- Pathways
- Raised Medians
- Pedestrian Plazas
- Restoration

Advantages:

- Creates no unpleasant odors during or after installation.
- Excellent chemical resistance.
- Highly resistant to UV damage.
- Friction properties are suitable for both pedestrian and vehicular applications.
- Cures hard and does not track after curing, even in hot weather.
- Fully recyclable with asphalt.

PRODUCT DESCRIPTION

StreetBond 90 Pavement Coating is a two component waterborne epoxy-modified acrylic coating. StreetBond 90 has been formulated for use as an asphalt pavement maintenance coating primarily for use on parking lots. StreetBond 90 has a balance of important properties including flexibility, adhesion, color stability, and chemical resistance that optimize the preservation of asphalt pavements while also protecting the pavement from the harmful effects of oxidation from UV exposure.

PACKAGING & SHELF LIFE

One unit of StreetBond 90 Pavement Coating consists of:

- (1) - Part A: 5-gallon (3.75 gal net content)
 - (1) - Part B: 1-pint (10 oz net content)
- Or
- (1) - Part A: 55-gallon drum (45 gal net content)
 - (1) - Part B: 2-Gallon (1.6 gallon net content)

Shelf Life is 24 months from date of manufacture in unopened containers if stored properly in a clean and well-ventilated area at 40°F – 90°F (4°C - 32°C). Storage outside this temperature range may shorten shelf life. Keep containers covered when not in use. Do not allow material to freeze.

WARRANTY

See applicable warranties for coverage and restrictions.

PHYSICAL PROPERTIES

STREETBOND 90 - PAVEMENT COATING	
Density	14.3 lbs./gal (1.7 kg/l) [ASTM D1475]
Volume Solids	57% (±2) [ASTM D2697]
Weight Solids	75% (±2) [ASTM D2369]
VOC (calculated)	<50 g/L
Taber Abrasion (Dry - H-10 wheel)	0.7 g/1,000 cycles [ASTM D4060]
Taber Abrasion (Wet - H-10 wheel)	3 g/1,000 cycles [ASTM D4060]
Freeze Point	32°F (0°C)
Friction (Dry)	>65 [ASTM E303-93] (2013)
Friction (Wet)	>35 [ASTM E303-93] (2013)

Drying Time (Touch Dry)	35 minutes at 73°F (23°C) and 37% humidity [ASTM D5895] Drying time will increase at higher humidity and/or lower temperatures.
Mandrel Bend	1-1/2 in. @ 23 C ASTM D522 - 93A
Hydrophobicity	< 6%
Water Absorption	ASTM D570
Shore Hardness	80.8 ASTM D2240
Standard Colors	Asphalt Gray & Solar Gray

APPLICATION INSTRUCTIONS

Substrate Preparation: The asphalt pavement surface must be dry and free from all foreign matter, including, but not limited to, dirt, dust, de-icing materials, and chemical residue. Where StreetBond 90 is being applied to a surface that previously had sealcoat applied and there are areas that have significant sealcoat remaining, it will be necessary to treat the surface by first pressure washing with a 12 inch fan and while the surface is still wet, removing loose material using a rotary broom with aggressive bristles. The surface should then be allowed to dry thoroughly (typically 24 to 48 hours). StreetBond Adhesion Promoter should be applied to areas with exposed aggregate where ponding is anticipated. Allow to completely dry prior to application of StreetBond 90.

Application:

- The SB Flex Spray System or suitable texture coatings sprayer to apply StreetBond 90.
- The asphalt pavement surface shall be thoroughly cleaned and completely dry prior to application.
- Spray-apply StreetBond 90, then back roll to distribute the material evenly and retain a build on the high points of the surface. Application rate is 65 square feet per gallon (1.6 M²/liter) at 25 wet mils (0.64 wet mm) or 14 dry mils (0.36 dry mm). Apply additional layers where heavier traffic is expected. Allow each application of coating to dry to the touch before applying the next layer.

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StreetBond 90 Pavement Coating (Part A & B)

APPLICATION INSTRUCTIONS, CONT'D

- Apply StreetBond 90 only when the air temperature is 50°F (10°C) and rising and will not drop below 50°F (10°C) within 24 hours. No precipitation should be expected within 24 hours of application.
- Add an additional pint of water to each nominal 5 gallon unit for every 10°F over 60°F (add a total of 4 pints of water at 90°F) to a maximum of 6 pints. For substrate temperatures exceeding 110°F (43°C), please contact Siplast Technical Support for modified application procedures.
- Do not open up to traffic before StreetBond 90 is allowed to fully cure.
- See streetbond.com for detailed application instructions.

For Application Questions: Contact Siplast Technical Services at 1-800-922-8800

Recommended Application Coverage Rates:

# OF LAYERS	COVERAGE (approx.)		THICKNESS (approx.)			
	sq ft/gallon*	M ² /liter	WET		DRY	
			mm	mil	mm	mil
1	65	1.6	0.64	25	0.36	14

LIMITATIONS & PRECAUTIONS

Ambient and surface temperatures must be 50°F (10°C) and rising before coating application. Do not ship or store unless product is protected from freezing. No precipitation should be expected within 24 hours of product application. StreetBond 90 pavement coating cannot be altered using supplemental pigments or used as a part of other StreetBond systems.

SAFETY & HANDLING

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

CLEANUP

Thoroughly rinse application equipment with clean water before it dries.