

Technical Data Sheet

Updated – Aug 12, 2013



DESCRIPTION

StreetBond150 is an advanced waterborne epoxy-modified acrylic coating specifically designed for application on textured (stamped) or non-textured (flat) asphalt pavements. One of StreetBond150's most important characteristics is that, unlike normal waterborne coatings, StreetBond150's unique design allows it to maintain durability even when wet. StreetBond150's flexibility, adhesion and elongation allow for the expansion and contraction that is a characteristic of asphalt (flexible) pavements without cracking. StreetBond150 extends asphalt life by providing protection from the harmful effects of oxidation due to UV exposure and weathering.

StreetBond150 is combined with **StreetBond Colorants** to offer a wide range of colors and can also be combined with **StreetBond Solar Reflective Colorants** to produce a cool pavement surfaces for compliance with LEED specifications for urban heat island mitigation and to provide more comfortable environments. StreetBond150 is also used in the Premium System.

StreetBond150 is worker safe, environmentally safe, meets EPA requirements for Volatile Organic Compounds (VOC) and creates no unpleasant odors during or after installation. StreetBond150 is fully recyclable with the asphalt. StreetBond150's friction properties are suitable for both pedestrian and vehicular applications.

One unit of StreetBond150 consists of:

- (1) - 5 gallon / 20 liter bucket of Part A
- (1) - 1 Quart / .95 liter container of Part B
- (1) - Chosen **StreetBond Colorant** (sold separately)

RECOMMENDED USES

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

PRODUCT CHARACTERISTICS

Standard Colors:	See streetbond.com
Density:	13.3 lb/gal 1.65 g/mL
Volume Solids:	53.71% ± 2%
Weight Solids:	71.02% ± 2%
VOC (calculated):	<19 g/L
Taber Abrasion (Dry)	0.76 g/100 cycles
Taber Abrasion (Wet)	2.18 g/100 cycles
Mandrel Bend	¼" @ 21°C
Water absorption	11.945%
Permeance	3.45g/m ² / 24hr/mmHg (52 mils)
Application Temperature:	+ 50°F to 105°F (Ambient) (10°C to 40°C)
Drying Time (Touch dry):	1-4 hours at 77°F (25°C) and 40% humidity
Friction	Dry = 94, Wet = 64
Freeze Point:	32° F / 0° C
Shelf Life:	24 months if unopened and stored between 40°F & 90°F (4°C & 32°C)

APPLICATION

Mixing

Each mixed unit of StreetBond coating consists of a Part A pail to which a Part B, your chosen colorant and 1 quart (0.95L) 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 removal of contaminants and degreasing solution is necessary prior to coating application. Care should be



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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. Adhesion promoter may be used for polished asphalt. Some concrete applications will require a primer. No precipitation should be expected within 24 hours

Recommended Application

StreetBond150 may be applied in thin coats coat by brush, roller or textured. 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.streetbond.com for more details.

Recommended Application Coverage Rates:

# OF LAYERS	COVERAGE (approx.)		THICKNESS (approx.)			
	NON-TEXTURED		WET		DRY	
	sqft/unit*	sqm/unit*	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	1.40	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.

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

CLEAN UP

Thoroughly rinse application equipment with clean water before it dries.

Limitations and Precautions

Ambient and surface temperatures must be 50°F (10°C) and raising before coating application.

Do not ship or store unless protection from freezing is available.

Use StreetBond concrete primers when apply on to concrete substrates.

SAFETY AND HANDLING

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

ORDERING INFORMATION

StreetBond150 can be purchased at any official distributor of StreetBond or from Quest Construction Products at 1 (800) 541-4383 or +1 (480) 754-8900?

