

# CemBase Asphalt Fortifier

## Technical Data Sheet

StreetBond® CemBase Asphalt Fortifier is a high-performance cementitious, epoxy-modified acrylic based, waterborne surfacing product designed for application on stamped (textured) asphalt pavements only. StreetBond® CemBase Asphalt Fortifier fortifies asphalt pavement to help resist scuffing on weaker stamped asphalt such as driveways or pathways. StreetBond® CemBase Asphalt Fortifier is worker safe, environmentally safe, creates no unpleasant odors (during or after installation) and meets EPA requirements for Volatile Organic Compounds (VOC). StreetBond® CemBase Asphalt Fortifier and StreetBond® SB150 are fully recyclable with the asphalt. StreetBond® SB150's friction properties are suitable for both pedestrian and vehicular applications.

Contact StreetBond for information on approved product uses.

### Product Characteristics

Density	14.2 lb/gal (1.70 g/mL)
Volume Solids	60% ±2% [ASTM D2697]
Weight Solids	74% ±2% [ASTM D2369]
VOC (calculated)	<25 g/L
Taber Abrasion (Dry)	0.41 g/100 cycles
Taber Abrasion (Wet)	6.92 g/100 cycles
Mandrel Bend	3/8" @ 21°C
Water Absorption	10.2%
Application Temperature	+50°F to 105°F (Ambient) (10°C to 40°C)
Dry Time	1–4 hours at 77°F (25°C) and 40% humidity [ASTM D5895]
Permeance	13.43g/m <sup>2</sup> / 24hr/mmHg (52 mils)
Freeze Point	32°F (0°C)

### PRODUCT INFORMATION

#### Recommended Uses

- StreetBond® CemBase Asphalt Fortifier fortifies asphalt pavement to help resist scuffing on weaker stamped asphalt such as driveways or pathways.
- Applied as the two initial layers in a StreetBond® application over a printed surface that needs fortification.
- StreetBond® CemBase Asphalt Fortifier 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® CemBase Asphalt Fortifier is applied in two layers as a base coat and must always be covered with at least one layer StreetBond® SB150. For example, if a project would typical require four layers of StreetBond® SB150 on a stamped asphalt surface, a project needing fortification would have two layers of StreetBond® CemBase Asphalt Fortifier applied, followed by two layers of StreetBond® SB150.

#### Warranty

StreetBond products are covered under the StreetBond 1-Year Limited Warranty. See [streetbond.com](http://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 (box) of StreetBond® CemBase Asphalt Fortifier consists of:

- (1) - 1.6 gallon (6.0 liter) jug of StreetBond® CemBase Asphalt Fortifier Resin
- (1) - Bag of Dry hardener and silica aggregate.
- (1) - Chosen StreetBond® Colorant (sold separately)

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

## PRODUCT INFORMATION

### Application Instructions

**Mixing Instructions:** Shake resin jug and pour contents into a clean 5 gallon pail. Add colorant and 1/2 a jug of water (1/3 jug for cool days and 2/3 jug for hot days). Mix liquid for 30 seconds to evenly distribute the colorant. While continuing to mix, slowly add the bag of dry hardener and continue mixing for 3 minutes once the bag is empty. Product must be used immediately.

**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 unsure of the quality of the surface. An environmentally-friendly cleaner should be used. StreetBond® Adhesion Promoter may be used for polished asphalt. No precipitation should be expected within 24 hours.



Recommended Application Coverage

# OF LAYERS	Coverage (approx.)		Thickness (approx.)			
	sqft/unit*	m <sup>2</sup>	WET		DRY	
			mm	mil	mm	mil
2	300	28	0.56	20	0.32	12

**Recommended Application:** StreetBond® CemBase Asphalt Fortifier may be applied in thin coats by brush, roller or textured sprayer. It should always be applied in two layers as a base coat. Base coat must always be covered with at least one layer StreetBond® SB150. Consult the most up-to-date StreetBond® Stamped Surface Specification at [gaf.com](http://gaf.com) for more details. Coating must be allowed to cure before introducing traffic. Cure times vary based on climate conditions and range between 6–24 hours.

\*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 cover approximately 600 sqft (55.7 m<sup>2</sup>), with an approximate thickness of 6.3 mil (0.16mm) 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.

### 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).