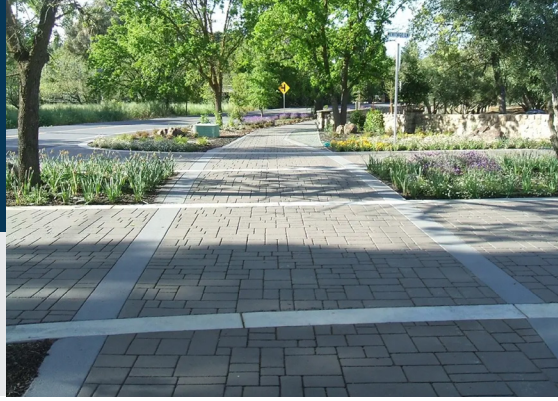
streetbond®

StreetBond® CemBase Asphalt Fortifier

Technical Data Sheet



Description:

StreetBond® CemBase Asphalt Fortifier is a high-performance cementitious, epoxy-modified, acrylic based, waterborne surfacing product designed for application on stamped asphalt pavements only. StreetBond® CemBase Asphalt Fortifier fortifies asphalt pavement to help protect against scuffing on weaker stamped asphalt such as driveways or pathways. StreetBond® CemBase Asphalt Fortifier should not be used on flat asphalt surfaces. StreetBond® CemBase Asphalt Fortifier creates low odor (during or after installation) and meets EPA requirements for Volatile Organic Compounds (VOC). When used in conjunction with StreetBond® Top Coats, CemBase Asphalt Fortifier's properties are suitable for both pedestrian and vehicular applications.

Contact StreetBond® for information on approved product uses.

Product Characteristics

Type	Result	Test Method
Density	14.9 lb./gal (1.79 g/mL)	
VOC (Calculated)	<25 g/L	
Taber Abrasion (Dry)	<2 g/1000 cycles	
Taber Abrasion (Wet)	<2 g/1000 cycles	
Water Absorption	<10%	
Application Temperature	+50°F to 105°F (Ambient) (10°C to 40°C)	
Volume Solids	79.5% ±2%	ASTM D2697
Weight Solids	87% ±2%	ASTM D1644
Dry Time	1 – 4 hours at 77°F (25°C) and 40% humidity	ASTM D5895

Note: Values are approximate and subject to normal manufacturing variations. These values are not guaranteed and are provided solely as a guide.

- 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 cool pavement surfaces for compliance with LEED specifications for urban heat island mitigation and to help provide more comfortable surfaces.
- StreetBond® CemBase Asphalt Fortifier is applied in two layers as a base coat and must always be covered with at least one layer of StreetBond® SB120 or SB150. For example, if a project would typically 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® SB120 or SB150.

Packaging:

One unit (box) of StreetBond® CemBase Asphalt Fortifier consists of:

- (1) — 2 gal. (7.57 L) pail of StreetBond® CemBase Resin (Part A)
- (1) — 5 gal. pail of StreetBond® Fortifier Dry Mix (Part B)
- (1) — 1 pint can of StreetBond® CemBase Hardener (Part C)
- (1) — Chosen StreetBond® Colorant (sold separately)

Shelf Life:

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

Application Instructions:

Mixing Instructions:
Add StreetBond® CemBase Hardener Part C to StreetBond® CemBase Resin Part A and shake. Pour contents into a clean, empty, 5-gallon mixing pail. Fill half of the empty StreetBond® CemBase Resin Part A pail with water (approx. 1 gal.) and pour into the mixing pail. Shake contents of StreetBond® Colorant, pour into the mixing pail, and begin mixing. While continuing to mix, gradually add GAF StreetBond® Fortifier Dry Mix Part B and blend for 3 minutes. Once blended, GAF StreetBond® CemBase must be used immediately.

For additional mixing, substrate preparation, and application details, see the commercial product data sheet or the installer guide at streetbond.com. NOTE: Fill the resin pail to 1/3 capacity with water on cooler days and 3/4 capacity on warmer days.

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 must be treated with 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:
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 of StreetBond® SB150. Consult the most up-to-date StreetBond® Stamped Surface Specification at gaf.com for more details. Coating must be allowed to cure before introducing traffic. Cure times may range between 6 and 24 hours based on climate conditions.

Recommended Application Coverage Rates:
Thickness (approx.)

# of Layers	Coverage (approx.)	
	sq. ft./unit*	m^2
2	375.6	34.9

* One unit is a normal 5 gallon pail comprising Part A, Part B, Part C and Colorant (approximately 3.63 gallons). One unit when sprayed as a single layer cover approximately 751 sq ft (69.8 m^2).
Note 1: Exceeding the recommended application rate can lead to cracking and improper curing of the product.
Note 2: One fewer application layer can be considered for unstamped surfaces provided the correct total dry mils are achieved.

Limitations and 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. StreetBond® CemBase Asphalt Fortifier should not be used on flat asphalt surfaces.

Safety and 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.