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StreetBond® Concrete Primer WB

Technical Data Sheet



Description:

StreetBond® Concrete Primer WB is a clear, two part, water-borne epoxy primer that is easy to mix, easy to use, and provides excellent results. It is applied over concrete by brush, roller or spray equipment. StreetBond® Concrete Primer WB dry time is 3 - 8 hours and provides a unique "lacquer dry" cure allowing it to be re-coated the same day with StreetBond® SB150, SB120 or DuraShield. It has a long working time (2 – 3 hours) which allows larger batches to be mixed. The material cleans up easily with soap and water from hands and tools.

Uses and Advantages:

Can be applied directly to properly prepared and cleaned substrates as a primer before other StreetBond® coatings. It is typically used in a 1-coat application. It should be thinned with up to 20% water for better penetration and ease of application. For rough and porous substrates a second coat can be applied.

Advantages

- Complies with NSF/ANSI 61 Section 5 (2012) potable water standard
- Applied in 1 or 2 coats depending on substrate. Refer to StreetBond® Substrate Guide or contact a Streetbond® technical representative.
- Good chemical resistance to motor oil, gasoline and transmission fluid
- Easy to mix, easy to use, low odor
- 4:1:1 mixture — 4 parts of Part A (resin) to 1 part of Part B (hardener) to 1 part water by volume

Warranty:

StreetBond® products are covered under the StreetBond® 1-Year Limited Warranty. See 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.

Application Instructions:

Surface Preparation:

Surfaces must be structurally sound and free from contaminants such as dust, oil or dirt. Best performance is with grinding sand or media blasting, or other means of mechanically abrading, followed by a thorough cleaning if necessary. All free-standing water must be removed.

General surface preparation and application procedures specified in ACI 503.1- 4 should be followed.

Tips for Use

The material starts as "milky white" and becomes clear in appearance when fully dried and ready for recoat. Temperature and humidity conditions affect the cure and tack free times of this material. Warm, dry conditions speed the cure, and cool, damp conditions will lengthen the cure time.

Mixing Instructions:

Thorough and complete mixing is critical. A Jiffy mixer is recommended. Prior to mixing, stir each component separately to ensure that the material is homogeneous and uniform in consistency. Add water (1 quart of water per 1.25 gallon kit) and mix at 200 – 300 RPM for a minimum of 3 minutes. No stripes or color variation should be visible in the mix. Once mixed, wait 10 - 15 minutes to allow the required "induction" of material prior to application.

Material must be applied within 3 hours of mixing. After 3 hours material may have a normal appearance but should not be used.

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Application:

StreetBond® Concrete Primer WB maybe applied by roller, airless sprayer and/or sprayed and backrolled. Must achieve a thin uniform coat/layer. Thin material with 20% water, this would be 1 quart for the 1.25 gallon kit or 1 gallon for the 5 gallon kit. Coverage is then ~300 sq. ft. per mixed gallon (450 sq. ft. per 1.25 gallon kit). StreetBond® Concrete Primer WB must be coated over within 24 – 48 hours for optimum bonding.

Contact GAF StreetBond® Field Technical Services for additional guidance.

Not Recommended For:

- Do not apply to concrete less than 28 days old
- Do not apply to concrete with curing compound or sealing membranes
- Do not apply if substrate and air temperature is less than 50°F

Packaging:

StreetBond® Concrete Primer WB is available in 1.25 gallon kits.

Safety & Handling:

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

Product Characteristics

Mixed Viscosity	CPS at 77°F (25°C) 200-400
Solids by Volume	65%
Volatile Organic Compounds	< 100 g/L typically 0.626 lb./gal.
Mix Ratio Parts Per Volume	4:1:1
Working Time	2 – 3 hours
Dry Time	3 – 8 hours
Coverage Rate per Gallon	Thinned 20% with water 250 – 300 sq. ft./gal.
Color	Clear

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

Typical Physical Properties

Type	Test Method	Result
Pencil Hardness (overnight)	ASTM D-3363	F
Cross Hatch Adhesion	ASTM D-3359	5
1/4" Mandrel Bend	ASTM D-522	Pass
Direct Impact Resistance (lb.)	ASTM D-2794	60
Reverse Impact Resistance (lb.)	ASTM D-2794	20

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