

WB Concrete Primer

Commercial Product Data Sheet



BASIC USES & ADVANTAGES

StreetBond® WB Concrete Primer is designed to enhance the adhesion of StreetBond coatings to new, aged, and patched concrete surfaces. WB Concrete Primer is used in the surface preparation for concrete parking lots, crosswalks, driveways, pathways, level and raised medians, and entryways. Additionally, it can be used on asphalt in cases where adhesion issues have been previously experienced.

Advantages:

- Easy to clean up
- Low odor
- Versatile... Can be applied by roller, brush, or sprayer

PHYSICAL PROPERTIES

STREETBOND WB CONCRETE PRIMER	
Volume Solids	10.6% ±1% [ASTM D2697]
Weight Solids	10.4% ±1% [ASTM D2369]
VOC (calculated)	< 120 g/L
Freeze Point	32°F (0°C)

Application Temperature	50°F to 105°F (10°C to 40°C)
Drying Time (Touch Dry)	30 min at 75°F (24°C) and 40% humidity [ASTM D5895]

PRODUCT DESCRIPTION

StreetBond WB Concrete Primer is a clear, single-component epoxy primer specifically designed to increase the bond of StreetBond coatings to concrete surfaces. WB Concrete Primer protects against destructive salts, oils, solvents, and gasoline. Its low viscosity allows it to penetrate into the surface, creating a tenacious physical and chemical bond. It also helps to solidify punky or chalky surfaces. StreetBond coatings applied on concrete over WB Concrete Primer will handle traffic volumes in a manner similar to that applied over asphalt.

PACKAGING & SHELF LIFE

1-gallon (3.8 liter) can
5-gallon (18.9 liter) pail

Shelf life is 12 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.

APPLICATION INSTRUCTIONS

Substrate Preparation: All surfaces must be clean and free of any dirt, oil, grease, soapy films, surface chemicals, or other foreign contaminants. Slightly damp surfaces will not affect the performance of StreetBond WB Concrete Primer, provided there is no standing water or frost. New concrete should be water-cured in lieu of using a curing compound and should be cured for at least 28 days. Any form of curing compound or release agent on any surface to be treated with WB Concrete Primer must be completely removed along with any laitance.

If concrete is badly spalled, restore surface to a reasonable condition using a cementitious patching or resurfacing compound. New concrete that has been previously cured with a curing compound, or concrete that has been smooth troweled, should be cleaned and etched with 10% muriatic acid solution. Wash with a biodegradable cleaner and follow with a generous rinse of clean water.

Existing stable concrete must be cleaned with a biodegradable chemical cleaner and water using mechanical scrubbers. Rinse thoroughly with fresh water to remove all traces of the chemical cleaner. If general cleaning is not adequate, then surfaces should be cleaned and etched as recommended for new concrete.

Mixing: Stir material prior to application. WB Concrete Primer may be reduced with water, up to 3% by volume, for increased penetration over dense substrates. Do not open containers until ready to use the material.

Application: WB Concrete Primer may be applied by brush, roller, or sprayer. A low-pressure sprayer can be used to apply WB Concrete Primer to the concrete surface, followed by backrolling. Coverage rates are approximately 0.3 – 0.4 gallons/100 ft² (1.4 – 2 L/10 m²), applied as a single thin layer. Coverage rates will vary depending on surface porosity.

Spray Instructions: For large projects, airless spray is the preferred method. Any airless spray equipment capable of 1,000 psi (6,980 kPa) and ½ gallon per minute (1.9 L/minute) delivery can be used. A reversible, self-cleaning spray tip with an orifice size of 0.015" – 0.027" (0.4 – 0.7 mm) and minimum 40° fan angle is recommended. Before spraying, flush equipment with clean water to prevent contamination.

Do not allow the product to puddle or glaze over the top of the substrate. Allow to dry properly before applying StreetBond coating. Failure to do so can result in coating failure. Surface may be slightly tacky, but must not transfer residue to hands or feet. WB Concrete Primer must be top coated within 48 hours for optimum bonding results.

In warm conditions with direct sunlight, allow 2 – 4 hours to dry. In cool shaded conditions, allow to dry for 24 hours.

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

Applicable Standards: ASTM D2697, ASTM D2369, ASTM D5895

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LIMITATIONS & PRECAUTIONS

StreetBond WB Concrete Primer is a thin penetrating primer and is not designed for use as a high-build surface coating. WB Concrete Primer will freeze and become unusable below 32°F (0°C). Do not ship or store unless protection from freezing is available. Do not apply if conditions will not permit complete cure before rain, dew, or freezing temperatures occur.

WB Concrete Primer may be an irritant to skin. Avoid breathing of vapor or spray mist. Approved OSHA/NIOSH chemical cartridge respirator must be worn by applicator in confined areas. Avoid contact with eyes and skin.

SAFETY & HANDLING

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

CLEAN-UP

Thoroughly rinse application equipment with clean water before it dries.

See applicable warranties for complete coverage and restrictions.