

QS Concrete Primer

Commercial Product Data Sheet

BASIC USES & ADVANTAGES

StreetBond QS Concrete Primer is designed to enhance the adhesion of StreetBond coatings to new, aged, and patched concrete surfaces. QS Concrete Primer is used in the surface preparation for concrete parking lots, crosswalks, driveways, pathways, level and raised medians, and entryways.

Advantages:

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

PHYSICAL PROPERTIES

STREETBOND QS CONCRETE PRIMER	
Volume Solids	53% ±1% [ASTM D2697]
Weight Solids	58% ±1% [ASTM D2369]
VOC (calculated)	<380 g/L
Freeze Point	32°F (0°C)

Application Temperature	50°F – 105°F (10°C – 40°C)
Drying Time (Touch Dry)	60 min at 75°F (24°C) and 40% humidity [ASTM D5895]

PRODUCT DESCRIPTION

StreetBond QS Concrete Primer is a two-component, epoxy polyamide pretreating primer specifically designed to increase the bond of StreetBond coatings to concrete surfaces. QS 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 QS Concrete Primer will handle expected traffic volumes as if applied to regular asphalt.

PACKAGING & SHELF LIFE

Part A: 1-gallon (3.8 liter) can

Part B: 1-gallon (3.8 liter) can
Or

Part A: 5-gallon (18.9 liter) pail

Part B: 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 QS 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 sealed with QS Concrete Primer must be completely removed, along with any laitance.

If concrete is badly spalled, restore surface to a reasonable condition using cementitious patching or resurfacing compound. New concrete that has been previously cured with a curing compound, or concrete that has been smooth trowelled, shall 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. Cleaning shall be accomplished 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: Mix Part A with an equal amount of Part B Catalyst. Stir thoroughly for five (5) minutes. After mixing, allow a minimum of thirty (30) minutes for sweat-in before using.

Concrete Primer QS can be applied full strength to help prevent pinholes on porous substrate. For most applications, however, it should be diluted up to a 1:1 ratio by volume, depending on the density and porosity of the substrate, with MEK, Xylol, or Acetone.

This will allow for an optimum combination of penetration and sealing capability over various substrates.

Application: QS Concrete Primer may be applied by brush, roller, or sprayer. A solvent-safe "acetone-safe" low-pressure sprayer can be used to apply QS Concrete Primer to the concrete surface, followed by backrolling. Coverage rates are approximately 0.33-0.5 gal/100 ft² (1.36-2.04 L/10 m²), applied as a single thin layer. Coverage rates will vary depending on surface porosity. Do not allow the product to puddle or glaze over the top of the substrate.

Spray Application: For large projects, airless sprayer is the preferred method. Any airless spray equipment capable of 1,000 psi (6,890 kPa) and 1/2 gallon per minute (1.9 L/minute) delivery can be used. A reversible self-cleaning spray tip with orifice size of 0.015" to 0.025" (0.38 mm to 0.64 mm) and minimum 40° fan angle is recommended. For maximum production on large projects, airless spray equipment capable of 2,000 psi (13,790 kPa) and 1 gallon per minute (3.8 L/minute) delivery should be used.

Allow QS Concrete Primer to fully dry before applying StreetBond coatings. Surface may be slightly tacky, but must not transfer residue to hands or feet. Primer must be coated with StreetBond coating within 48 hours for optimum bonding results. Dry time can be 1 – 8+ hours depending on climate conditions.

For application questions contact Siplast Technical Services at 1-800-922-8800 or visit streetbond.com

Applicable Standards: ASTM D2369, ASTM D2697, ASTM D5895

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LIMITATIONS & PRECAUTIONS

StreetBond QS Concrete Primer is a thin penetrating primer. It is not designed for use as a high-build surface coating. QS 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.

QS 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.