

A penetrating, moisture-tolerant epoxy surface conditioner that seals porous concrete surfaces to reduce outgassing and associated blisters and pinholes.

★ PRODUCT DESCRIPTION

Concrete sealer and surface conditioner with exceptional wetting characteristics and promotes adhesion to a variety of protective coatings.

FEATURE / BENEFITS

ZERO VOC (VOLATILE ORGANIC COMPOUNDS) AND STYRENE FREE

APPLY ON DRY OR DAMP CONCRETE: Reduced labor costs eliminate dehumidification expenses and for rapid return-to-service

HIGHLY ADHESIVE: Intimately bonds to host structure and can be applied to dry or damp concrete.

HIGH FLEXIBILITY: Low stress coating that moves with the substrate

🌀 APPLICATION SYSTEM

Spray: The following has been found suitable and is available via Binks, DeVilbiss, and Graco.

Pump Size: 30:1 or greater

Hose Length: Up to 200 ft x 3/8-inch ID

Whip Length: 10 ft x 1/4-inch ID

Brush/Roller: This material may be hand applied with a brush or roller. To brush apply, use a medium bristle. To roller apply, use a short-nap synthetic roller cover with phenolic core.

Theoretical Coverage:

Concrete: 320 – 530 square feet per gallon at 3 – 5 wet mils per coat. Allow for loss in mixing and application. Note that this product cannot be measured in millage. Consult with your designated Warren Coatings Specialist.

Apply to Green Concrete in 10 days.

DISCLAIMER

Always read associated Safety Data Sheets (SDS) before working with any product. SDS can be requested by calling our office at **508.947.8539** or emailing us at **info@warrenenviro.com**. All values reported within this document are typical values and are reported as a means of reference. Individual testing should be done to determine actual results, tested in specific conditions. If you witness unethical or incorrect practices related to the use or application of any Warren Environmental product, please contact us immediately at **508.947.8539**.

💧 SURFACE PREPARATION GUIDELINES

All: Substrate must be clean and free of contaminants.

Steel:

Immersion: SSPC-SP 10/NACE 2 Near White Metal Blast with angular profile of 2.5 - 3.5 mils.

Non-immersion: SSPC-SP 6/NACE 3 Commercial Blast with angular profile of 1.5 - 3.0 mils, SSPC-SP 2 Hand Tool or SSPC-SP 3 Power Tool Cleaning are suitable for mild environments.

Concrete or Concrete Masonry Units (CMU): Concrete must be cured a minimum of 10 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surfaces in accordance with SSPC-SP 13/NACE 6. The required surface profile is a minimum of CSP 4 in accordance with ICRI Guideline 310.2R-2013. Voids in concrete surfaces may require filling. Mortar joints should be cured a minimum of 15 days.

🧰 SPECIAL SAFETY AND HANDLING

Safety: Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

Ventilation: Provide thorough air circulation during and after application until the material has cured when used in enclosed areas.

📦 STORAGE AND USE

Storage and Shelf Life: Maintain products in original packaging and sealed until ready for use. Estimated shelf life is 12 months when stored in a dry area at 70°F (21°C). Actual shelf life may vary with storage conditions.

If there is any question with respect to the quality of the components, check reactivity prior to use. For assistance consult your Warren representative.

301-SC

EPOXY SURFACE CONDITIONER TECHNICAL DATA

TYPICAL PHYSICAL PROPERTIES

Color	Clear (may appear light gray)
Finish	Gloss
Dry Film Thickness (DFT)	3 - 5 mils per coat
Dry pull-off adhesion - Blasted Steel, 1 coat (ASTM D4541)	>2,500 psi (17 MPa)
Dry pull-off adhesion - Concrete (ASTM D7234)	Substrate failure

SERVICE TEMPERATURE

Dry, continuous	176°F (80°C)
Dry, non-continuous	203°F (90°C)

Temperature limitations will vary with chemical exposure. Consult your Warren representative for immersion temperatures.

MIXING

Do not mix partial kits. Power mix parts A and B separately, then combine and power mix for 3 minutes. Mix slowly to reduce adding air bubbles to the mixed material. Pot life is shorter at higher temperatures. A larger volume of mixed material will have a shorter pot life than a smaller volume.

Cleanup using MEK or Acetone. Thinning not required, contact Warren representative for more information.

ISO 9001

Warren Environmental is a ISO 9001:2015 certified company.

WARRANTY

Warren typically offers a one year warranty. Additional information will be provided upon request.

CURE SCHEDULE & RECOAT WINDOW

SUBSTRATE	MINIMUM RECOAT	MAXIMUM RECOAT
77°F (25°C)	24 hours	14 days
100°F (21°C)	4 hours	48 hours

Use Warren 301-SC for substrate temperatures 50°F – 110°F (10°C – 43°C). Note that product will remain tacky.

PACKAGING

Clear, Small Kit, 1 gal (3.8 L)

Part A Resin 0.6 gal (2.3 L) Pail

Part B Hardener 0.4 gal (1.5 L) Jerrican

Item #: 301-SC-SMKT

Clear, Large Kit, 5 gal (19 L)

Part A Resin 3 gal (11 L) Pail

Part B Hardener 2.1 gal (8 L) Pail

Item #: 301-SC-LGKT