



ElastaFLEX Primer SC™

SINGLE COMPONENT ELASTOMERIC PRIMER

Preliminary
Revised 05.15.14

DESCRIPTION

ElastaFLEX Primer SC™ is a single-component, high performance, moisture-cure, polyurethane primer designed for the preparation of surfaces for application of elastomeric coatings and polyurethane spray foam. The working and cure time is adjusted by the addition of an accelerator at time use. It exhibits low sensitivity to substrate moisture, allowing minimal bubbling when applied at 2-3 mils to damp surfaces, such as concrete.

ADVANTAGES

- VOC Exempt (less than 1% VOCs)
- Penetrates and seals the surface, leaving a smooth, relatively pinhole and bubble-free coating
- Excellent adhesion to a variety of substrates
- Good physical properties
- Outstanding stability at low temperatures
- Defoamers or Deaerators can be used to further minimize pinholes
- ElastaFLEX Primer SC™ can easily be sprayed, rolled, or brushed on, and provides excellent adhesion to most surfaces.

SURFACE PREPARATION FOR CONCRETE

Remove dust, dirt, oil, laitance, curing compounds, concrete sealer, etc. from surface by power wash, acid etch, grit blast, or profiling equipment. The prepared concrete surface is to be clean, dry, hard/dense, and free of cracks and holes with a slightly roughened surface. For application on new concrete, refer to Specialty Products, Inc.'s Concrete Surface Preparation Guide.

Contact an SPI representative for surface preparation guideline publications.

Note: If "bug holes" or "capillaries" are present on the surface, an approved grout or filler may be used to minimize outgassing and the resultant "craters" in the SPI Polyurea topcoat.

APPLICATIONS

- Concrete and wood primer for top coating with polyurethane and polyurea spray coatings.
- Primer for industrial flooring, roofing, decking, truck bed liners, pipeline, and tank coatings.

COLOR

Cured material is black semi-translucent in color.

WET PROPERTIES

Solids by Volume	>99%	
Recommended Spread Rate @ approx 200 – 500 sq. ft. per gallon (18.5 – 46.5 m ² per gallon)	Wet mils	2 – 5 mils
	Dry mils	2 – 5 mils
Flash Point	>200°F (93°C)	
Weight per gallon	8.8 lbs (4kg)	
Viscosity (cps) @77°F (25°C)	500 approx.	
Shelf Life Unopened Containers @ 77°F (25°C)	6 months	

TYPICAL PHYSICAL PROPERTIES

Tensile Strength	>1000 psi (3.48 mpa)
Elongation @77°F (25°C)	±400%
Polyurea Topcoat Adhesion	>500 psi (3.48 mpa) ± 100
Typical Film Thickness	2 – 5 mils
Service Temperature	-60°F - +200°F (-50°C - +93°C)

CURING SCHEDULE

Approximate reactivity to end of tack @50% RH

STANDARD ACCELERATOR PACKAGE

100°F	30 minutes
77°F	45 minutes
40°F	1 hour
-0°F	2 hour

WINTER (DOUBLE) ACCELERATOR PACKAGE

100°F	15 minutes
77°F	30 minutes
40°F	45 minutes
-0°F	1 hour

Re-Coat Time

Minimum	at end of tack
Maximum	18 hours

GENERAL SAFETY, TOXICITY & HEALTH DATA

Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the M.S.D.S. **CHEMTREC EMERGENCY NUMBER 1-800-424-9300**

WARNING: Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact of the liquid or spray mist.

CLEAN UP: Use DPM or NMP.

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

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SPI Manufacturing/Distribution Locations: Lakewood, WA · Rowlett, TX · Anchorage, AK

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INGESTION: Do not take internally. It is believed ingestion of polymeric isocyanates would not be fatal to humans, but may cause inflammation of mouth and stomach tissue.

RESPIRATORY PROTECTION: Use a respirator approved for isocyanates and organic vapors. If you are not sure or not able to monitor levels, use MSHA/NIOSH approved supplied air respirator. Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

OTHER INFORMATION AVAILABLE

Safety Data Sheet (SDS)
Wet Concrete Primer Study
Concrete Surface Preparation Guide

WARNING

The behavior, hazardousness and/or toxicity of the Products referred to in this publication in manufacturing processes and their suitability in any given end-use environment are dependent upon various conditions such as chemical compatibility, temperature, and other variables, which may not be known to SPI. It is the sole responsibility of the buyer or user of such Products to evaluate the manufacturing circumstances and the final Product(s) under actual end-use requirements and to adequately advise and warn future purchasers and users thereof.

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LIMITATIONS

- This product is for professional use only.
- Minimum material/container temperature for application is 70°F (21°C).
- Supplied as a single component with accelerator to be added at time of use.
- Avoid moisture contamination in containers. Containers should not be resealed if contamination is suspected, CO₂ created pressure can develop. Do not attempt to use contaminated material.
- Un-dried air exposed to liquid components will increase viscosity and reduce physical properties of the cured coating.

WARRANTY

Specialty Products, Inc. has no role in the manufacture of the finished polymer other than to supply its two components. It is vital that the person applying this product understands the product, and is fully trained and certified in the use of plural-component equipment.

Specialty Products, Inc., an Alaska corporation, warrants only that the two components of this product shall conform to the technical specifications published in the product literature.

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