



# THERMO-SIL™ SP-14

## TECHNICAL DATA SHEET

### Silicone 2-Part Epoxy Primer

#### Product Use and Design

SP-14, as provided, is a two component, 1 to 4 ratio, waterbased epoxy primer. SP-14 is designed to go onto multiple substrates. It adheres well to metals, TPO, PVC, hypolons, organic polymers, wood, masonry, and vitreous surfaces. DO NOT use on copper or silver.

#### Weather Restrictions

It is very important that this product is not used when weather conditions are below 50°F, or when there is a chance that temperatures could fall below 32°F within a 24 hour period after application. We also do not recommend application of this product if rain or dew is likely to occur before curing of product.

#### Mixing Procedures

The two components are packaged in the correct proportions (1 part by volume of Part A to 4 part by volume of Part B). MIX each A & B component individually. Then combine A & B and mix thoroughly. Power mixing is recommended. Part A is a slurry liquid, with settling properties. Part B is a viscous liquid. When combined the resulting product becomes a thixotropic easy spreading suspension. Do not use material that has been mixed for 4 hours or more.

#### Application

Prior to application of SP-14, the desired surface to receive primer must be clean, smooth, dry, and paintable. Any debris, gravel, dust, and silt must be removed prior to application. Applied to a smooth surface, the coverage rate is approximately 200 to 400 square feet per gallon. Porous surfaces will require additional primer. Too much primer will reduce adhesion strength. SP-14 may be sprayed, brushed, or rolled. If blowholes form as the primer dries make second pass with a relatively dry roller. Allow 8 to 10 minutes between passes. For application to smooth surfaces, add up to one pint of water per gallon of SP-14. Use a 1/4" or 3/8" nap roller or nylon brush. Most coatings can be applied over SP-14 primer as soon as it is thoroughly set. This degree of dryness is normally achieved in two to three hours (dependent upon temperature and humidity). All Progressive Materials products and most commercial paint will adhere well to cured SP-14 primer up to one week old, provided that the surface is clean and free of chalk.

Contact Huntsman Building Solutions Technical Service personnel for specific recommendations, pricing and availability of spray and auxiliary equipment.

Physical Properties		
Properties	Test Method/Requirements	Value
Color:		A-side; Red, B-Side; Amber
Solids by Weight:	ASTM D 2369	60%(+/-2)
Density	ASTM D 1475	8.75 lbs/gal
Flash Point	ASTM D 1310	>212OF
Solids Content By Volume	ASTM D 2697	42.5%(+/-2)
Volatile Organic Compounds:		<50 grams/liter
Low & High Temperature Limits:		-40°F to 180°F (-40°C to 85° C)

#### Storage, Shelf Life and Packaging Sizes

SP-14 should be stored between 50°F and 70°F. P-150 General Purpose Primer is available in 5 gallon kit.

**SHELF LIFE:** 12 months from manufactured date when stored properly.

#### General Health & Safety Precautions

This product is intended for use by trained professional personnel. Material Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the S.D.S. In case of emergency contact CHEMTREC EMERGENCY NUMBER at 800-424-9300.

**WARNING:** Avoid eye contact with the liquid or spray mist. Applicators should wear protective clothing, gloves and use protective equipment on face, hands and other exposed areas.

**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.

**RESPIRATORY PROTECTION is MANDATORY!** Respiratory protective equipment, impervious foot wear and protective clothing are required at all times during spray application. Contact Lapolla for a copy of the Respiratory Protection Program developed by OSHA.

**INGESTION:** Do not take internally. Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

## DISCLAIMERS

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