

# PRODUCT DATA SHEET

## Sikalastic<sup>®</sup>-502 Primer

TWO COMPONENT EPOXY PRIMER FOR CONCRETE, METAL & WOOD SUBSTRATES

### PRODUCT DESCRIPTION

Two component, liquid applied, solvent based Epoxy primer with unique penetrating characteristics.

### USES

Versatile primer for use with Sikalastic<sup>®</sup>-500 RoofCoat Systems

Suitable for use on:

- Concrete
- Metal
- Wood
- Polyurethane Elastomeric Surfaces

### CHARACTERISTICS / ADVANTAGES

- Substrate Penetrating
- Low Viscosity
- Quick Cure/Re-coat Time

### PRODUCT INFORMATION

<b>Chemical Base</b>	Two component epoxy	
<b>Packaging</b>	2 gal. (7.6 L) kit and 10 gal. (37.8 L) kit Part A: 1 gal. (3.8 L), 5 gal. (18.9 L) Part B: 1 gal. (3.8 L), 5 gal. (18.9 L)	
<b>Appearance / Color</b>	Part A: Black Part B: White	
<b>Shelf Life</b>	12 months in unopened container	
<b>Storage Conditions</b>	Keep containers closed and store in a dry, cool place away from direct sunlight, heat, sparks, open flame, and moisture. Keep material stored above 65 °F (18 °C). Open containers should be blanketed with dry nitrogen before resealing.	
<b>Density</b>	Part A: 1.30 kg/l Part B: 1.89 kg/l	
<b>Solid Content</b>	90 % by weight	(ASTM D-2369)
	84 % by volume	(ASTM D-2697)

**Volatile organic compound (VOC) content** 93.9 g/L

(ASTM D-2369-81)

**Viscosity** 1200 cps., Part A+B (at 75 °F (24 °C) and 50 % R.H.)

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Part A : Part B = 1:1 (by volume)
<b>Coverage</b>	1 gal/300 sq. ft. on non-absorbent smooth substrates. 1 gal/200 sq. ft. on prepared dry concrete. Note: Rough, porous, or absorbent surfaces will require additional primer and will reduce yield.
<b>Ambient Air Temperature</b>	41 °F (5 °C) min. / 104 °F (40 °C) max.
<b>Relative Air Humidity</b>	80 % R.H. max.
<b>Dew Point</b>	Beware of condensation. The substrate and uncured coating must be $\geq 5$ °F (3 °C) above dew point.
<b>Substrate Temperature</b>	41 °F (5 °C) min. / 140 °F (60 °C) max.
<b>Substrate Moisture Content</b>	$\leq 4$ % moisture content Test method: Sika®-Tramex meter No rising moisture according to ASTM (Polyethylene-sheet).
<b>Pot Life</b>	60–90 minutes (at 75 °F (24 °C) and 50 % R.H.)
<b>Waiting / Recoat Times</b>	Allow primer to cure completely prior to applying membrane resin. Full cure: 4 hours at 68°F. Ideally, membrane resin will be applied within 24 hours of primer application. Maximum primer exposure is 48 hours. Primer exposed longer than 48 hours, and primer exposed to water during curing and exhibiting a chalky appearance, must be reprimed. Deteriorated primer must be mechanically removed before primer reapplication.

## APPLICATION INSTRUCTIONS

### MIXING

Sikalastic®-502 Primer should not be diluted under any circumstance. The volume mixing ratio: 1 Part B white liquid to 1 Part A black liquid. Premix Part A and part B components separately using low speed (400–600 rpm) mechanical mixer and Jiffy paddle at slow speed to obtain uniform color (typically 30 sec), making sure to scrape the solids from the bottom and the sides of the pail. Add Part B to Part A pail. Mix the combined material thoroughly until a homogenous mixture and uniform color is obtained (typically 3 min.)

### APPLICATION

Remove all contaminants, oil and grease from substrate. Sikalastic®-502 Primer should be applied at the rate of 1 gal. (3.8 L) (mixture of part-A & part- B)/200–300 ft<sup>2</sup> (18.6–27.9 m). It can be applied using an airless sprayer, brush, or phenolic resin core roller. Allow Sikalastic®-502 Primer to become tack free before applying the coating. If Sikalastic®-502 Primer is allowed to dry completely, re-prime the surface before proceeding. Sikalastic®-502

Primer is sensitive to heat and moisture. Higher temperatures and/ or high humidity will significantly accelerate the cure time and decrease pot life. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity extend the cure time.

### LIMITATIONS

This information is meant to be used as a general guideline only. Consult the project specification and your Sika Representative for specific installation procedures.

### BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

### OTHER RESTRICTIONS

See Legal Disclaimer.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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**Sika Corporation**

201 Polito Avenue  
Lyndhurst, NJ 07071  
Phone: +1-800-933-7452  
Fax: +1-201-933-6225  
usa.sika.com

**Sika Sarnafil**

100 Dan Road  
Canton, MA 02021  
Phone: +1 800-451-2504  
Fax: +1 781-828-5365  
usa.sarnafil.sika.com  
webmaster.sarnafil@us.sika.com

**Sika Mexicana S.A. de C.V.**

Carretera Libre Celaya Km. 8.5  
Fracc. Industrial Balvanera  
Corregidora, Queretaro  
C.P. 76920  
Phone: 52 442 2385800  
Fax: 52 442 2250537

**SIKA CORPORATION – ROOFING**

100 Dan Road  
Canton, MA 02021  
Phone: +1-800-451-2504  
Fax: +1-781-828-5365



Product Data Sheet  
Sikalastic®-502 Primer  
April 2018, Version 01.01  
02091595100000057

Sikalastic-502Primer-en-US-(04-2018)-1-1.pdf

