

PRODUCT DATA SHEET

Sikalastic®-501 Primer

EPOXY PRIMER FOR MODIFIED BITUMEN AND METAL SUBSTRATES

PRODUCT DESCRIPTION

Two component, liquid applied, water-based epoxy primer with unique penetrating characteristics, rust inhibiting properties and asphalt bleed blocker.

USES

Versatile primer for use with Sikalastic®-500 RoofCoat Systems

Suitable for use on:

- Modified Bitumen
- Asphalt
- Metal
- Masonary
- Acrylic Coatings
- Polyurethane Elastomeric Surfaces

CHARACTERISTICS / ADVANTAGES

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

PRODUCT INFORMATION

Chemical Base	Two component water-based epoxy	
Packaging	1 gal. (3.8 L) kit and 5 gal. (19 L) kit Part A: 0.8 gal. (3 L), 0.2 gal. (0.8 L) Part B: 4.0 gal. (15 L), 1 gal. (3.8 L)	
Appearance / Color	Part A: Yellow Part B: Off White	
Shelf Life	12 months in unopened container	
Storage Conditions	Condition material to 50–77 °F (10–25 °C) before using for ease of application.	
Density	Part A: 1.13 kg/l Part B: 1.07 kg/l	
Solid Content	39 % by volume	(ASTM D-2697)
	45 % by weight	(ASTM D-2369)

Volatile organic compound (VOC) content 43 g/L

(ASTM D-2369-81)

Viscosity 1500 cps. (at 75 °F (24 °C) and 50 % R.H., Part A+B)

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 4 : 1
Coverage	1 gal/300 sq.ft. on non-absorbent smooth substrates. 1 gal/100 sq.ft. on mineral surfaced modified bitumen. Note: Rough, porous, or absorbent surfaces will require additional primer and will reduce yield.
Ambient Air Temperature	41 °F (5 °C) min. / 104 °F (40 °C) max.
Relative Air Humidity	80 % R.H. max.
Dew Point	Beware of condensation. The substrate and uncured coating must be ≥ 5 °F (3 °C) above dew point.
Substrate Temperature	41 °F (5 °C) min. / 140 °F (60 °C) max.
Substrate Moisture Content	≤ 4 % moisture content Test method: Sika®-Tramex meter No rising moisture according to ASTM (Polyethylene-sheet).
Pot Life	30–45 minutes (at 75 °F (24 °C) and 50 % R.H.)
Waiting / Recoat Times	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®-501 Primer should not be diluted under any circumstance. The volume mixing ratio: 4 units Part-A yellow liquid to 1 Part B off white 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®-501 Primer should be applied at the rate of 1 gal. (3.8 L) (mixture of part A & part B)/100–300 ft² (9.2–27.8 m²) depending on substrate. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Allow Sikalastic®-501 Primer to become tack free before applying the coating. Sikalastic®-501 Primer is sensitive to heat and moisture. Higher temperatures will significantly accelerate the cure time and decrease pot life. Low temperature and/or low humidity will 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 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.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product’s shelf life. User determines suitability of product for intended use and assumes all risks. User’s and/or buyer’s sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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