

PRODUCT DATA SHEET

Sikalastic[®]-503 Primer

TWO COMPONENT POLYURETHANE PRIMER FOR PVC & FPO SUBSTRATES

PRODUCT DESCRIPTION

A Two Component, high solids, cool roof, polyurethane liquid applied primer with unique penetrating characteristics.

USES

Primer for use with Sikalastic[®]-500 RoofCoat Systems
Suitable for use on:

- PVC
- FPO
- Intercoat Adhesion & re-coat primer for existing urethane systems

CHARACTERISTICS / ADVANTAGES

- High Solids
- Fast Re-Coat Time
- Low Odor
- Low Viscosity

PRODUCT INFORMATION

Chemical Base	Two component Polyurethane
Packaging	2 gal. (7.6 L) kit <ul style="list-style-type: none"> ▪ Part A: 1 gal. (3.8 L) ▪ Part B: 1 gal. (3.8 L) 10 gal. (37.8 L) kit <ul style="list-style-type: none"> ▪ Part A: 5 gal. (18.9 L) ▪ Part B: 5 gal. (18.9 L)
Appearance / Color	Part A: Black Part B: White
Shelf Life	12 months in unopened container
Storage Conditions	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 re-sealing.
Density	Part A: 1.22 kg/l Part B: 0.98 kg/l

Solid Content	97.8 % by weight 97.7 % by volume	(ASTM D-2369) (ASTM D-2697)
Volatile organic compound (VOC) content	25 g/L	(ASTM D-2369-81)
Viscosity	500 cps. (at 75 °F (24 °C) and 50 % R.H. Part A+B)	

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 1 : 1 (by volume)	
Coverage	1 gal/ Average 300 sq. ft. (0.14 L / m ²) 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.	
Pot Life	60–90 minutes (at 75 °F (24 °C) and 50 % R.H. Part A+B)	
Waiting Time / Overcoating	Allow primer to cure completely prior to applying membrane resin. Full cure: 2 - 4 hours at 68°F. Maximum primer exposure is 12 hours. Primer exposed longer than 12 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

The volume mixing ratio is 1 part Part-A Black Liquid to 1 part Part-B White Liquid.

APPLICATION

Sikalastic®-503 Primer should be applied at the rate of 1 gal. (3.8 L) (mixture of Part-A & Part-B) / 300 ft² (27.9 m²). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Do not allow the material to puddle.

LIMITATIONS

- Sikalastic®-503 Primer should be coated within 12 hours after it has become tack free. Not UV stable.
- Surfaces must dry, clean and free of foreign matter.
- Containers that have been opened must be used as soon as possible.
- Sikalastic®-503 Primer is difficult to clean up after it has cured. Do not dilute Sikalastic®-503 Primer.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations de-

pending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LOCAL RESTRICTIONS

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800.933.7452 nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

ECOLOGY, HEALTH AND SAFETY

Keep container tightly closed. Keep out of reach of children. Not for internal consumption. For industrial use only. For professional use only. For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-

LEGAL NOTES

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use. SIKAWARRANTS 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 shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. 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. Sale of Sika products are subject to Sika's terms and conditions of sale available at <http://usa.sika.com/> or by calling 201-933-8800.

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