



# PRODUCT DATA SHEET

## Sikalastic® EP Primer Rapid

Two component, fast curing universal primer for Sikalastic® RoofPro Systems

### PRODUCT DESCRIPTION

Sikalastic® EP Primer Rapid consists of two components; an epoxy resin (Part A), and an activator (Part B). In its wet mixed state, it is red in color.

### WHERE TO USE

- Versatile and fast curing universal primer for use with Sikalastic® RoofPRO Systems
- Suitable for use on most sound substrate surfaces where both a penetrative and surface-lying effect is required
- Acceptable substrates include · sound concrete and masonry · wood and plywood · modified bitumen membrane · mineralized asphaltic cap sheet · asphalt and mastic · ferrous metals · galvanized · lead · copper · aluminum · brass · stainless steel

### CHARACTERISTICS / ADVANTAGES

- Low odor, low VOC formulation
- Fast curing
- Compatible with most common substrate and flashing materials
- Corrosion protection in industrial and marine environments
- Enhances adhesion to a broad range of metallic substrates
- Protects against migration of volatile bitumen or plasticizers
- Easy application by brush or roller

### PRODUCT INFORMATION

<b>Composition / Manufacturing</b>	Epoxy	
<b>Packaging</b>	1 gal. kit (0.63 gal. Part A, 0.37 gal. Part B)	
<b>Shelf Life</b>	24 months	
<b>Storage Conditions</b>	Store dry between 40 °F and 95 °F (2–35 °C) Condition material to 50–77 °F (10–25 °C) before using for ease of application	
<b>Colour</b>	Red	
<b>Solid content by volume</b>	94.5%	(ASTM D-2697)
<b>Volatile organic compound (VOC) content</b>	74.24 g/l	(ASTM D-2369-81)

## TECHNICAL INFORMATION

<b>Adhesion in Peel</b>	Adhesion tests should be completed at a minimum of 72 hours after application. Sikalastic® EP Primer Rapid may take 1 week to reach final adhesion strength depending on temperature and other climate conditions. Refer to adhesion test protocol on the Sika website.
<b>Service Temperature</b>	-22–176 °F (-30–80 °C) intermittent

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Component A to Component B = 1.7 to 1.0 (by volume) <b>PREMIX PART A BEFORE MIXING A &amp; B TOGETHER</b>																
<b>Consumption</b>	Coverage: 200 - 250 ft <sup>2</sup> /gal. on non-absorbent smooth substrates. 150 - 200 ft <sup>2</sup> /gal. on prepared, dry concrete. 75 - 100 ft <sup>2</sup> /gal. on mineral surfaced modified bitumen.  Note: Rough, porous, or absorbent surfaces will require additional primer and will reduce yield.																
<b>Ambient Air Temperature</b>	41 °F (5 °C) min. / 95 °F (35 °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 ≥ 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>	≤ 4 % moisture content Test method: Sika®-Tramex meter No rising moisture according to ASTM (Polyethylene-sheet).																
<b>Pot Life</b>	30 minutes																
<b>Waiting Time / Overcoating</b>	Before applying any recommended Sikalastic® resin on Sikalastic® EP Primer Rapid, allow: <table><thead><tr><th><b>Ambient Temperature</b></th><th><b>Mimimum Waiting Time</b></th><th><b>Maximum Waiting Time</b></th><th><b>Touch Dry</b></th></tr></thead><tbody><tr><td>50 °F</td><td>7 hours</td><td>72 hours</td><td>5 hours</td></tr><tr><td>68 °F</td><td>5 hours</td><td>72 hours</td><td>3 hours</td></tr><tr><td>88 °F</td><td>3 hours</td><td>72 hours</td><td>2 hours</td></tr></tbody></table> Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. Ideally, membrane resin will be applied within 24 hours of primer application. Maximum primer exposure is 72 hours. Primer exposed longer than 72 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.	<b>Ambient Temperature</b>	<b>Mimimum Waiting Time</b>	<b>Maximum Waiting Time</b>	<b>Touch Dry</b>	50 °F	7 hours	72 hours	5 hours	68 °F	5 hours	72 hours	3 hours	88 °F	3 hours	72 hours	2 hours
<b>Ambient Temperature</b>	<b>Mimimum Waiting Time</b>	<b>Maximum Waiting Time</b>	<b>Touch Dry</b>														
50 °F	7 hours	72 hours	5 hours														
68 °F	5 hours	72 hours	3 hours														
88 °F	3 hours	72 hours	2 hours														

## BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

## FURTHER INFORMATION

### Availability

Sikalastic® EP Primer Rapid is available directly from Sika Canada Authorized Applicators and/or Distributors when used within a Sika® Sikalastic Roofing or Waterproofing System. Contact Sika Canada or visit our website at [www.sika.ca](http://www.sika.ca) for further information.

### Warranty

Upon successful completion of the installed roof by the Sika Canada Authorized Applicator, Sika Canada can provide a warranty to the Building Owner via the Authorized Applicator.

## LIMITATIONS

- To avoid dew point conditions during application, relative humidity must be no more than 95 % and substrate temperature must be at least 5 °F (3 °C) above measured dew point temperatures
- Minimum ambient and substrate temperature during application and curing of material is 41 °F (5 °C); maximum is 95 °F (35 °C). Surface temperatures must be no higher than 140 °F (60 °C)
- Do not apply on substrates with moisture content greater than 4 % by weight, measured by Tramex® Concrete Moisture Encounter Meter
- Minimum age of concrete must be 28 days depending on curing and drying conditions
- Do not thin with solvents
- Sikalastic® EP Primer Rapid is not suitable for application over single ply membranes (PVC, TPO, EPDM)
- Do not store materials outdoors exposed to sunlight and moisture for prolonged periods
- Do not apply to substrate surfaces where moisture vapor transmission will occur during application and cure
- This condition may be checked using ASTM D-4263 (Polyethylene Sheet method)
- Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface. Allow sufficient time for the substrate to dry after rain or inclement weather, as there is the potential for bonding problems
- On substrates likely to exhibit outgassing apply during falling ambient and substrate temperature. If applied during rising temperature pinholing may occur
- Precautions should be taken to prevent vapors and/or odors from entering the building/structure, including but not limited to turning off and sealing air intake vents and through-wall air conditioners, and other

- means of ingress during application and cure
- Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various product solutions). Surface irregularities may reflect through the cured system
- When applying over new or existing coatings, membranes and substrates; compatibility and adhesion testing and subsequent approval by Technical Services is required
- On grade concrete decks should not be covered with Sikalastic® membrane systems
- Unvented metal pan, split/sandwich slab with encapsulated membrane and/or insulation, cinder fill decks, and lightweight insulating concrete overlays should not be covered with Sikalastic® membrane systems without deck evaluation and subsequent approval by Technical Services

## ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Always perform an adhesion test before applying Sikalastic® EP Primer Rapid. All substrate surfaces shall be clean, dry and sound. Acceptable substrates include: sound concrete and masonry, wood and plywood, modified bitumen membrane, mineralized asphaltic cap sheet, asphalt and asphalt mastic, ferrous metals, galvanized, lead, copper, aluminum, brass, and stainless steel. Reference separate System Data Sheet for specific surface preparation requirements.

### MIXING

Mix ratio is 1.7 to 1.0 (A:B) by volume. **PREMIX PART A BEFORE MIXING A & B TOGETHER.** Add Part B into Part A and mix with a mechanical mixer (Jiffy) at low speed, for 3 minutes. Avoid adding air into the primer during mixing. When fully mixed, the primer should be free from streaks and of a uniform red color. Do not break down kits into smaller quantities.

### APPLICATION

Apply by brush or phenolic resin core roller at the recommended rate. Correct amount of primer will saturate the substrate and leave a slight film on the substrate top surface. Apply evenly without puddling.

### CLEAN UP

Remove wet primer with solvents. Once cured, primer

can only be removed by mechanical means. Strictly follow solvent manufacturer's warnings and instructions for use.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

### **Sika Canada Inc.**

Head Office  
601, avenue Delmar  
Pointe-Claire, Quebec  
H9R 4A9  
1-800-933-SIKA  
[www.sika.ca](http://www.sika.ca)

### **Other locations**

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

### **Product Data Sheet**

Sikalastic® EP Primer Rapid  
July 2024, Version 01.02  
02091595100000067

