

PRODUCT DATA SHEET

Sikalastic® EP Primer Rapid

Two component, fast curing universal primer for use with Sikalastic® roofing and waterproofing 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.

USES

- Versatile and fast curing universal primer for use with Sikalastic® roofing and waterproofing 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

Chemical Base	Epoxy
Packaging	1 gal. kit (0.63 gal. Part A, 0.37 gal. Part B)
Color	Red
Shelf Life	24 months
Storage Conditions	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
Volatile organic compound (VOC) content	74.24 g/l (ASTM D-2369-81)

TECHNICAL INFORMATION

Service Temperature -22–176 °F (-30–80 °C) intermittent

Adhesion in peel 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.

APPLICATION INFORMATION

Mixing Ratio Component A to Component B = 1.7 to 1.0 (by volume)
PREMIX PART A BEFORE MIXING A & B TOGETHER

Coverage Coverage:
200 - 250 ft²/gal. on non-absorbent smooth substrates.
150 - 200 ft²/gal. on prepared, dry concrete.
75 - 100 ft²/gal. 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. / 95 °F (35 °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 minutes

Waiting / Recoat Times Before applying any recommended Sikalastic® resin on Sikalastic® EP Primer Rapid, allow:

Ambient Temperature	Minimum Waiting Time	Maximum Waiting Time	Touch Dry
50 °F	7 hours	72 hours	5 hours
68 °F	5 hours	72 hours	3 hours
88 °F	3 hours	72 hours	2 hours

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.

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.

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

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.

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APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- 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
- Ferrous metals should be thoroughly cleaned by grinding or blast cleaning prior to priming (SSPC-SP3 to SP11 near-white metal)
- Non-ferrous metals are prepared by removing any deposits of dust and oxidation and abrading to bright metal
- New concrete must cure a minimum of 28 days and should have a minimum compressive strength of 20.7 MPa (3000 psi) and exhibit a minimum tensile bond strength of 1.4 MPa (200 psi) time
- Cementitious or mineral based substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open textured surface (CSP 2-4 per ICRI guidelines)
- 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.

CLEANING OF TOOLS

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.

OTHER RESTRICTIONS

See Legal Disclaimer.

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.

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