

Product Data Sheet
Edition 10.20.2014
Sika® Bonding Primer

Sika® Bonding Primer

Two-component, rapid curing, water-based epoxy primer

Description	Sika® Bonding Primer is a rapid curing, water based primer consisting of two components: a pre-reacted epoxy resin dispersed in water (Part A), and a waterborne modified polyamine solution (Part B). In its wet mixed state, it is milky green and slightly viscous.		
Where to Use	Suitable for use on most sound substrate surfaces where both a penetrative and surface-lying effect is required.		
Advantages	<ul style="list-style-type: none"> ■ Fast cure allows same-day membrane application in most conditions. ■ Low odor, low VOC formulation. ■ Compatible with most common substrate materials (not for metal surfaces). 		
Coverage	350 ft ² /gal on non-absorbent smooth substrates. 300 ft ² /gal on prepared, dry concrete. 200 ft ² /gal on absorbent gypsum and cementitious cover boards. Note: Rough, porous, or absorbent surfaces will require additional primer and will reduce yield.		
Cure Mechanism	Chemical and evaporative cure.		
Chemical Resistance	Not intended for direct exposure.		
Packaging:	Bonding Primer Kit	Part A	Part B
	1 Gallon	0.8 US Gallons	0.2 US Gallons
	5 Gallons	4 US Gallons	1 Gallons

Typical Data (Material and curing conditions @ 75°F (24°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life	24 months in original, unopened and undamaged sealed containers.
Storage	Store dry at 35°-77°F (2°-25°C).
Product Conditioning	Condition material to 50°-77°F (10°-25°C) before using for ease of application.
Pot Life	12 hours
Total Volume Solids (ASTM D-2697)	15%
VOCs (ASTM D-2369-81)	12.5 g/l
Flash Point	110°F (59°C)
Service Temperature	-22° to 176°F (-30° to 80°C) intermittent.



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/](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 AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

How to Use	
Surface Preparation	All substrate surfaces shall be clean, dry and sound. Acceptable substrates include: sound concrete and masonry, wood and plywood, mineralized asphaltic cap sheet, sprayed polyurethane foam, gypsum and cementitious cover boards, and coated glass-faced polyisocyanurate foam boards. Reference separate System Data Sheet for specific surface preparation requirements.
Mixing	Mix ratio is 4:1 (A:B) by weight and volume. Add Part B into Part A and mix with stir stick or mechanical mixer (Jiffy) at low speed. Avoid adding air into the primer during mixing. When fully mixed, the primer should be free from streaks and of a uniform light green 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.
Removal	Remove wet primer with clean water. Once cured, primer can only be removed by mechanical means.
Over Painting	Allow primer to cure completely prior to applying membrane resin. 1 hour at 95°F 2 hours at 68°F 4 hours at 41°F Ideally, membrane resin will be applied within 24 hours of primer application. This is required for applications in tropical/subtropical environments to avoid UV-related primer deterioration. Maximum primer exposure is 7 days. Primer exposed longer than 7 days, and primer exposed to water during curing and exhibiting a chalky appearance, must be reprimed. Deteriorated primer must be mechanically removed before primer reapplication.
Limitations	<ul style="list-style-type: none"> ■ 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 21-28 days depending on curing and drying conditions. ■ Do not thin with solvents. ■ 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 vapor/odor 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 existing coatings or membranes compatibility and adhesion testing, 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 additional deck evaluation and subsequent approval by Technical Services. ■ Not recommended for metal substrates.



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/](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 AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

Construction

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/](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 AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

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 1-800-424-9300, International 703-527-3887.

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.

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 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 SIKA'S TERMS AND CONDITIONS OF SALE AVAILABLE AT [HTTP://USA.SIKA.COM/](http://usa.sika.com/) OR BY CALLING 201-933-8800.

Visit our website at usa.sika.com

1-800-933-SIKA NATIONWIDE

Regional Information and Sales Centers. For the location of your nearest Sika sales office, contact your regional center.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: 800-933-7452
Fax: 201-933-6225

Sika Canada Inc.
601 Delmar Avenue
Pointe Claire
Quebec H9R 4A9
Phone: 514-697-2610
Fax: 514-694-2792

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

