BUILDING TRUST
CONSTRUIRE LA CONFIANCE

PRODUCT DATA SHEET

Sika® Concrete Primer

TWO-COMPONENT, RAPID CURING, HIGH SOLIDS POLYUREA/POLYURETHANE-HYBRID PRIMER

PRODUCT DESCRIPTION

Sika® Concrete Primer is a two-component, rapid curing, high solids, polyurea/polyurethane-hybrid primer for consistent and durable adhesion of Sikalastic® RoofPRO Systems.

WHERE TO USE

Versatile primer on cementitious substrates for use with:
- Sikalastic® RoofPRO Systems

CHARACTERISTICS / ADVANTAGES

- Fast curing - overcoat possible after 30 minutes
- Combines rapid cure time with a long pot life.
- Significantly reduces the likelihood of out-gassing from susceptible substrates
- Consolidates dusty or friable surfaces
- Easy application by brush or roller
- Can be filled with quartz sand and used as a scratch coat

PRODUCT INFORMATION

Composition / Manufacturing	Two-component solvent-based Polyurea/Polyurethane hybrid	
Packaging	4.5 L kit	3.5 L component A 1.0 L component B
	11.5 L kit	9.0 L component A 2.5 L component B
Shelf Life	12 months from date of production	
Storage Conditions	The product must be stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 5 °C (41 °F) and 25 °C (77 °F). Higher storage temperatures may reduce shelf life of product. Reference shall also be made to the storage recommendations within the safety data sheet. Condition material to 10°-25°C (50°-77°F) before using for easier application.	
Density	~1.02 kg/l (at 23 °C (73 °F) and 50 % R.H)	
Solid content	72 %	(ASTM D-2697)
Volatile organic compound (VOC) content	280 g/l	(ASTM D-2369-81)

TECHNICAL INFORMATION

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

APPLICATION INFORMATION

Mixing Ratio	Component A : Component B = 3.55:1 (by volume)
Ambient Air Temperature	5 °C (41 °F) min. / 35 °C (95 °F) max.
Substrate Temperature	5 °C (41 °F) min. / 60 °C (140 °F) max.
Dew Point	Beware of condensation. The substrate and uncured coating must be ≥ 3 °C (5 °F) above dew point.
Substrate Moisture Content	≤4 % pbw moisture content Test method: Sika®-Tramex meter. No rising moisture according to ASTM (Polyethylene-sheet).
Pot Life	45 minutes Sika® Concrete Primer is designed for fast curing. High temperatures combined with high air humidity will increase the curing process. Thus, mixed material in opened containers should be applied immediately. In opened containers, the material will form a film after approx 45 min.
Waiting Time / Overcoating	See table below 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 re-primed. Deteriorated primer must be mechanically removed before primer reapplication..

Temperature	Minimum waiting time	Maximum waiting time
10 °C (50 °F)	60 min.	24 h
20 °C (68 °F)	30 min.	24 h

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.

LIMITATIONS

- Do not apply Sika® Concrete Primer on substrates with rising moisture.
- Do not use Sika® Concrete Primer for indoor applications.
- Freshly applied Sika® Concrete Primer should be protected from damp, condensation and water for at least 24 hours.
- Do not apply close to the air intake vent of a running air conditioning unit.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking (for further information please contact Sika technical service).
- To avoid dew point conditions during application, relative humidity must be no more than 95% and substrate temperature must be at least 3°C (5°F) above measured dew point temperatures.
- Minimum ambient and substrate temperature during application and curing of material is 5°C (41°F); maximum is 35°C (95°F). Surface temperatures must be no higher than 60°C (140°F).
- 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 pin holing 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 throughwall 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 applicatio (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 to determine substrate moisture content 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

All surfaces to be coated should be thoroughly cleaned by conventional means.
Inspect the substrate.
Spalling, flaking or damaged areas should be repaired using compatible materials to match surroundings or replaced as necessary.
If in doubt apply a test area first.
Tiles have to prepared mechanically, glazing has to be removed
Grinding may be necessary to level the surface.
For detailed information regarding substrate quality / preparation and primer chart please refer to Sikalastic® RoofPRO Application Manual.

MIXING

Mix ratio is 3.55:1 (A:B) by volume. Add Part B into Part A and mix with 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 be a uniform amber colour.
Do not break down kits into smaller quantities.

APPLICATION

Apply Sika® Concrete Primer 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 MEK, xylene, or oxygenated 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

Sika Canada Inc.
Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

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