BUILDING TRUST

PRODUCT DATA SHEET

Sikalastic® DTE Primer

Two-component damp tolerant epoxy primer

PRODUCT DESCRIPTION

Sikalastic® DTE Primer is a two-component, damp tolerant epoxy primer used to enhance the adhesion of Sikalastic® roofing and waterproofing systems on damp concrete.

USES

Suitable for use on most sound concrete and masonry substrate surfaces where both a penetrative sealing and surface-lying effect is required.

CHARACTERISTICS / ADVANTAGES

- Low odor, low VOC formulation
- Seals concrete and masonry surfaces, reducing outgassing

PRODUCT INFORMATION

Chemical Base	Two-component epoxy	
Packaging	1 gal. kit (0.62 gal. Part A, 0.38 gal. Part B)	
Appearance / Color	Brown	
Shelf Life	12 months	
Storage Conditions	Store dry at 40–95 °F (2–35 °C).	
Volatile organic compound (VOC) content	16 g/l	(ASTM D-2369-81)

TECHNICAL INFORMATION

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

APPLICATION INFORMATION

Coverage	200 ft²/gal on prepared, dry concrete, depending on substrate profile and porosity. 100 ft²/gal when mixed with 10 lb. 20–40 mesh kiln-dried sand as a 30 mil slurry coat. **Note**: Rough, porous, or absorbent surfaces will reduce yield and may require an additional coat of primer.
Product Temperature	Condition material to 50–77 °F (10–25 °C) before using for ease of application
Ambient Air Temperature	41 °F (5 °C) min. / 95 °F (35 °C) max.
Relative Air Humidity	80 % R.H. max.
Dew Point	Not for use on surfaces wth condensation. Air, 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	≤ 6 % moisture content Test method: Sika®-Tramex meter No rising moisture according to ASTM (Polyethylene-sheet).
Pot Life	45 minutes
Waiting / Recoat Times	Allow primer to cure completely prior to applying membrane resin. Full cure: 8 hours at 68°F. Apply membrane resin within 24 hours of primer application. Maximum primer exposure is 3 days. Primer exposed longer than 3 days, exposed to water during curing and exhibiting a chalky appearance, must be reprimed. Deteriorated primer must be mechanically removed before repriming

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

- Do not apply on substrates with moisture content greater than 6% 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).
- Do not apply to a frosted, wet or damp surface (max 6 % moisture content). 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 perform 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
- Allow primer to cure completely prior to applying membrane resin

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- Substrate must be clean, sound and free from oils, grease, dust, laitance and loose or friable particles. Paint, laitance, and other poorly adhering contents must be mechanically removed
- Acceptable substrates include: sound concrete and masonry
- Substrate must have an open textured surface to allow primer to penetrate (i.e. blast cleaning and grinding are considered acceptable means to achieve the desired surface profile. Acid and chemical etching are not acceptable to achieve the desired surface profile)
- Concrete surfaces should have a Surface Profile (CSP) of 2 to 5
- Before overall installation begins, Sika® recommends the application of several small test patches to determine primer application requirements and acceptability of final product performance
- Adhesion in peel tests should result in > 8 lbs per linear inch (PLI)
- Minimum substrate compressive strength > 3000 psi. at the time primer is applied
- On fiber reinforced concrete, fibers should be flamed off the surface prior to using Sikalastic® primer as a moisture barrier
- Substrate must have an open textured surface to allow Sikalastic® DTE Primer to penetrate. If damp concrete surfaces have Concrete Surface Profile (CSP) of 2 to 5, powerwashing the surface may be the only surface preparation method required to remove any concrete laitance
- If the damp concrete surfaces do not have a Concrete Surface Profile (CSP) of 2 to 5, reprofiling by blast cleaning and grinding are considered acceptable means to achieve the desired surface profile. Acid and chemical etching are not acceptable means to achieve the desired surface profile
- Reference separate System Data Sheet for specific surface preparation requirements.

MIXING

Mix ratio is 1.6:1 (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 of a uniform amber color. Do not break down kits into smaller quantities. For leveling/sealing slurry, add 10 lb. 20–40 mesh kiln-dried sand to mixed primer and mix with mechanical mixer (Jiffy) until a uniform consistency is achieved.

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. Apply slurry with flat-bladed squeegee or trowel.

Removal

Remove wet primer with solvent. 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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