BUILDING TRUST
CONSTRUIRE LA CONFIANCE

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 to consolidate substrates and enhance the adhesion of Sikalastic® RoofPRO Systems on damp or green concrete.

WHERE TO USE

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

PRODUCT INFORMATION

Composition / Manufacturing	Two-component epoxy	
Packaging	3.79 L kit (2.35 L Part A, 1.44 L Part B) 1 US gal. kit (0.62 US gal. Part A, 0.38 US gal. Part B)	
Shelf Life	12 months in original, unopened and undamaged sealed containers	
Storage Conditions	Store dry at temperatures between 2°C to 35 °C (35.6 °F to 95 °F). Condition material from 10 °C to 25 °C (50 °F to 77 °F) before using for ease of application.	
Solid content	100 %	(ASTM D2697)
Volatile organic compound (VOC) content	16 g/L	(ASTM D2369-81)

TECHNICAL INFORMATION

Service Temperature	From -30 °C to 80 °C (from -22 °F to 176 °F) intermittent

APPLICATION INFORMATION

Yield	4.91 m²/L (200 ft²/US gal.) on prepared, dry concrete, depending on substrate profile and porosity. 2.45 m²/L (100 ft²/US gal.) when mixed with 4.5 kg (10 lb) of kiln-dried sand (20-40 mesh) for a 30 mil slurry coat application **Note**: Rough, porous, or absorbent surfaces will require additional primer and will reduce yield.
Ambient Air Temperature	5 °C (41 °F) min. / 35 °C (95 °F) max.
Relative Air Humidity	80 % R.H. max.
Dew Point	Beware of condensation. The substrate and uncured coating must be ≥ 3 °C (5 °F) above dew point.
Substrate Temperature	5 °C (41 °F) min. / 60 °C (140 °F) max.
Substrate Moisture Content	≤ 5 % moisture content Test method: Sika® Tramex meter No rising moisture according to ASTM (polyethylene-sheet).
Pot Life	45 minutes
Waiting Time / Overcoating	Allow primer to cure completely prior to applying membrane resin. Full cure: 8 hours at 20 °C (68 °F). Ideally, membrane resin will be applied within 24 hours of primer application. Maximum primer exposure is three (3) days. Primer exposed longer than three (3) 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.

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 on substrates with moisture content exceeding 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 D4263 (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 vapours and/or odours 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 vapour/odour 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 Sika Canada 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 Sika Canada.
- Not recommended for metal substrates.
- Allow primer to cure completely prior to applying membrane resin.

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 substrate surfaces shall be clean, dry and sound. Acceptable substrates include: sound concrete and masonry. 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 colour. Do not break down kits into smaller quantities. For leveling/sealing slurry, add 4.5 kg (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 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

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