PRODUCT DATA SHEET
Sika Concrete Primer Lo-VOC

LIQUID APPLIED, SINGLE COMPONENT, RAPID CURING, HIGH SOLIDS, MOISTURE CURED PRIMER

PRODUCT DESCRIPTION
Sika Concrete Primer Lo-VOC is cold applied, single component, low-odor moisture-curing polyurethane resin. It is designed for sealing cementious substrate to reduce the incidence of outgassing. It is designed as part of Sikalastic systems.

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

CHARACTERISTICS / ADVANTAGES
- Significantly reduces the likelihood of blistering and pin holing
- Fast curing formulation
- Single component
- Compatible with most concrete, masonry, and stone substrate materials
- Low odor
- Lo-VOC

PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Chemical Base</td>
<td>Moisture-cure polyurethane</td>
</tr>
<tr>
<td>Packaging</td>
<td>5 gal. (19 L) pails</td>
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<tr>
<td>Appearance / Color</td>
<td>Light Amber</td>
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<tr>
<td>Shelf Life</td>
<td>12 months in original, unopened and undamaged sealed containers</td>
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<tr>
<td>Storage Conditions</td>
<td>Store dry between 41 °F and 77 °F (5–25 °C), Condition material to 50–77 °F (10–25 °C) before using for ease of application</td>
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<tr>
<td>Density</td>
<td>1.16 kg/l</td>
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<tr>
<td>Solid Content</td>
<td>65 % by weight (ASTM D-2697)</td>
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<tr>
<td>Volatile organic compound (VOC) content</td>
<td>95 g/l (ASTM D-2369-81)</td>
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APPLICATION INFORMATION

Coverage
- 350 ft²/gal. on non-absorbent smooth substrates.
- 300 ft²/gal. on prepared, dry concrete.
- 200 ft²/gal. on absorbent gypsum and cementitious cover boards.

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
- 45 minutes

Waiting / Recoat Times
- 30–45 minutes at 77 °F (25 °C) and 50 % R.H.. Lower temperatures will extend cure time.
- 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 re-primed. Deteriorated primer must be mechanically removed before primer reapplication.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All substrate surfaces shall be clean, dry and sound. Acceptable substrates include: sound concrete masonry and stone, gypsum and cement-based cover boards. Reference separate System Data Sheet for specific surface preparation requirements.

MIXING

No mixing necessary.

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.

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 21–28 days depending on curing and drying conditions.
- 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 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.
- 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.

**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.

**OTHER RESTRICTIONS**

See Legal Disclaimer.

**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.

**LEGAL DISCLAIMER**

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

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