

# PRODUCT DATA SHEET

## Sikalastic® Clearglaze

### LIQUID APPLIED SINGLE COMPONENT TRANSPARENT POLYURETHANE/POLYCARBONATE COATING

#### PRODUCT DESCRIPTION

Sikalastic® Clearglaze is a clear, single component, high solids, polycarbonate aliphatic polyurethane-based sealer for applications where water-tightness and preservation of the original substrate appearance is required.

#### USES

- Porous stone, decorative aggregate panels, brick work, and terracotta.
- Reinforced concrete subjected to carbonation.
- Decorative aggregate surfacing on balconies and terraces.
- Skylights and clerestories.

#### CHARACTERISTICS / ADVANTAGES

- Provides transparent watertight protection.
- Resists freeze-thaw damage.
- Effective sealer for decorative aggregate surfacing.
- Carbonization barrier.
- Glass shatter resistance.
- Moisture-triggered cure limits effects of inclement weather during application.
- Non-foaming urethane chemistry.

#### PRODUCT INFORMATION

<b>Chemical Base</b>	Moisture Triggered Polyurathane/Polycarbonate	
<b>Packaging</b>	5 L pail (1.32 gal.)	
<b>Color</b>	Clear/Transparent	
<b>Shelf Life</b>	12 months in original, unopened and undamaged sealed containers	
<b>Storage Conditions</b>	Store dry at 35–86 °F (2–30 °C). Condition material to 50–77 °F (10–25 °C) before using for ease of application.	
<b>Solid content by volume</b>	59 %	(ASTM D-2697)
<b>Volatile organic compound (VOC) content</b>	360 g/l	(ASTM D-2369-81)

## TECHNICAL INFORMATION

<b>Tensile Strength</b>	362 psi
<b>Elongation at Break</b>	250 %
<b>Tear Strength</b>	2,610 psi
<b>Permeability to Water Vapor</b>	0.768 Perms
<b>Chemical Resistance</b>	Resistant to 10 % solutions of mineral acids, most alkalies, acid rain and detergents. Some oils and solvents may soften the surface.
<b>Service Temperature</b>	-22–176 °F (-30–80 °C) intermittent

## APPLICATION INFORMATION

<b>Coverage</b>	120 ft <sup>2</sup> /gal - 15 mils wet film thickness - balcony and terrace aggregate sealing; 80 ft <sup>2</sup> /gal - 20 mils wet film thickness - general waterproofing and sealing; 40 ft <sup>2</sup> /gal - 40 mils wet film thickness - anti-carbonization/anti-shatter coating; 32 ft <sup>2</sup> /gal - 50 mils wet film thickness - Sika® Flexitape saturation; 20 ft <sup>2</sup> /gal - 80 mils wet film thickness - Sika® Reemat Standard saturation (two 40 mil coats).
<b>Ambient Air Temperature</b>	41 °F (5 °C) min. / 95 °F (35 °C) max.
<b>Substrate Temperature</b>	41 °F (5 °C) min. / 140°F (60°C) max.
<b>Dew Point</b>	Beware of condensation. The substrate and uncured coating must be ≥ 5 °F (3 °C) above dew point.
<b>Substrate Moisture Content</b>	≤ 4 % moisture content Test method: Sika®-Tramex meter No rising moisture according to ASTM (Polyethylene-sheet)
<b>Pot Life</b>	Sikalastic® Clearglaze is designed for fast curing. High temperatures combined with high air humidity will increase the curing process. Thus, material in opened containers should be applied immediately. In opened containers, the material will form a film after 1–2 hours approx. (at 75 °F (24 °C) and 50 % R.H.)
<b>Waiting / Recoat Times</b>	Allow primer to cure completely prior to applying coating. Allow coating application to cure completely prior to applying subsequent coating. 24 hours at 36 °F. 8 hours at 68 °F.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

**General:** Ensure surface is clean, sound and dry. It is important to make sure that all organic growth (mildew, moss, lichens, algae, etc.) be completely removed prior to coating application. Sikalastic® Clearglaze is typically self-priming, but the use of a Sikalastic® primer appropriate for the substrate may be required to achieve adequate adhesion.

### Asbestos Cement and Asbestos-free Equivalents:

Always ensure strict compliance with Health and Safety requirements when working with asbestos-containing materials. Extra care must be taken when cleaning since any shading/scuffing of the surface will show through

the coating.

**Brick, Terra Cotta, Block and Stone:** Apply coating direct to clay bricks, cement bricks and blocks, terra cotta, and decorative stone.

**Cementitious Materials:** Concrete and stucco must be a minimum of 14 days old before application. An adhesion test is recommended to verify adhesion, particularly before applying to highly porous substrates such as aggregate panels.

**Glass Glazing:** Ensure surfaces are clean and degreased before application. Apply to plain and reinforced glass, leaded windows, glazing strips and roof lights. A reduction in optical clarity is to be expected. Sikalastic® Clearglaze is not intended to recoat painted metal frames, as the existing paint may discolor and delaminate.

**Plastic Glazing:** An adhesion test is recommended to

verify the adhesion and confirm compatibility. Remove any oxidized layers. A reduction in optical clarity is to be expected. Sikalastic® Clearglaze is not intended to recoat painted metal frames, as the existing paint may discolor and delaminate.

**Metals:** Ensure surfaces are clean, rust-free, and degreased before application. An adhesion test is recommended to verify adhesion. Remove field-applied paints and coatings for best performance.

**Slate and Tile:** Apply coating direct to slate and tile roofs to alleviate water absorption.

## MIXING

Mixing is not required.

## APPLICATION

Apply by soft nylon or natural bristle brush, or by medium pile sheepskin roller, phenolic resin core roller, or foam roller at the recommended rate. Rough, porous, absorbent surfaces will require the use of additional coating. Always allow any primer and Sikalastic® Clearglaze coats to dry/cure thoroughly before applying the following coat. Coating will generally require an overnight cure, although under optimal conditions (higher temperatures and higher relative humidity) two coats in one day may be possible.

Do not thin, brush out, or overwork. Best results are obtained when the full mil thickness is applied at one time and limited work is performed to the coating thereafter. When applying multiple coats, apply the following coat at right angles to the application of the previous coat.

## Removal

Remove wet coating with MEK, xylene or cellulose thinners and a clean cloth. Do not use alcohol-containing solvents. Once cured, coating can only be removed by mechanical means. Strictly follow solvent manufacturer's warnings and instructions for use.

## LIMITATIONS

- Do not apply on substrates with moisture content greater than 4 % by weight, measured by Tramex® Concrete Moisture Encounter Meter.
- Do not thin with additional solvents.
- Do not store materials outdoors directly exposed to sunlight and moisture. Cover and protect materials with breathable type covers such as canvas tarpaulins to allow venting and protection from weather and moisture. Observe temperature storage and conditioning requirements.
- Existing substrate/primer/coating surface must be dry prior to application. Do not apply to a frosted, wet or damp surface. Allow sufficient time for the substrate/primer/coating to dry after rain or inclement weather, as there is the potential for bonding problems.
- 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.

## 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

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](http://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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Product Data Sheet  
Sikalastic® Clearglaze  
July 2018, Version 01.01  
02091520500000044

SikalasticClearglaze-en-US-(07-2018)-1-1.pdf

