

## Sikagard® Elastic Base Coat

Elastic, crack-bridging, anti-carbonation  
base coat for Sikagard® 550W Elastocolor

<b>Description</b>	Sikagard® Elastic Base Coat is an elastic, crack-bridging, anti-carbonation, base coat. Sikagard® Elastic Base Coat protects structures from the ingress of carbon dioxide and other aggressive atmospheric influences without acting as a vapor barrier.
<b>Where To Use</b>	As a base coat to build up the proper thickness for Sikagard® 550W Elastocolor.
<b>Advantages</b>	<ul style="list-style-type: none"><li>■ Provides resistance to weathering, frost and de-icing salts.</li><li>■ Excellent carbonation barrier.</li><li>■ Dynamic crack-bridging properties.</li><li>■ Water vapor permeable.</li><li>■ Can be applied by brush, roller, or airless spray.</li><li>■ Will bridge dynamically moving cracks 300 microns (12 mils) at 400 microns (16 mils) dft (smooth).</li></ul>
<b>Coverage</b>	<b>Theoretical per coat:</b> <b>Smooth:</b> Yield: 100 ft <sup>2</sup> /gal. Wet film thickness: 16 mils. Dry film thickness: 8 mils. <b>Textured:</b> Yield: 70 ft <sup>2</sup> /gal. Wet film thickness: 23 mils. Dry film thickness: 11 mils. Sikagard® 550W Elastocolor coating system is two coats, base coat and top coat, minimum at a total dry film thickness of 16 mils. All coverage dependent on porosity of substrate. In addition, allowance must be made for surface profile, unavoidable variation in application thickness, loss and waste.
<b>Packaging</b>	5 gal. re closable plastic pail.

### Typical Data (Material and curing conditions at 73°F (23°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

<b>Shelf Life</b>	2 years in original, unopened container.	
<b>Storage Conditions</b>	Store dry at 40°-95°F (4°-35°C). Condition material to 65°-75°F (18°-24°C) before using. Protect from freezing. If frozen, discard.	
<b>Color</b>	Off White	
<b>Pot Life</b>	Indefinite, provided proper care is taken in protecting the system from moisture, freezing, contamination, or evaporation.	
<b>Curing Rate</b>	Initial tack-free time: 2 hours	Final cure: < 24 hours
<b>Solids Content</b>	<b>by weight</b>	<b>by volume</b>
<b>Smooth</b>	63%	47%
<b>Textured</b>	64%	49%
<b>Tensile Properties (ASTM D-412 modified)</b>		
<b>7 days</b>	Tensile Strength	165 psi (1.1 MPa)
	Elongation at Break	370%
<b>30 days</b>	Tensile Strength	210 psi (1.4 MPa)
	Elongation at Break	345%
<b>Low Temperature Flexibility (ASTM C-711)</b>	0°F	1/2" Mandrel, 180° Bend - No Change
<b>Moisture Vapor Permeability (ASTM E-96)</b>	10 Perms	
<b>Flame spread and smoke development (ASTM E-84-94)</b>		
	Flame Spread: 0	Smoke Development: 5 Class Rating: A



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## How to Use

**Surface Preparation** All surfaces to be coated must be dry, clean, sound, and frost-free with curing compound residues and any other foreign matter removed. An open textured sandpaper-like surface is ideal (CSP-3). Where necessary, surfaces should be prepared mechanically by blast cleaning or high pressure water jetting. Allow adequate time for drying. Bug holes or irregularities of substrate should be leveled with SikaTop®, Sika® MonoTop® leveling mortar or surface fillers as appropriate.

**Priming:** All porous areas or concrete with excessive porosity or chalky surfaces should be primed using Sikagard® 552W or SikaLatex® R to allow easy application of Sikagard® Elastic Base Coat.

**Mixing** Stir all materials to ensure uniformity using a low speed (400-600 rpm) drill and Sika paddle.

**Application** Any areas of glass or other surfaces should be masked. Recommended application temperatures (ambient and substrate) 45°-100°F (7°-37°C). Apply by brush, roller, or spray over entire area moving in one direction. To obtain the proper coverage, a minimum of two coats are necessary. Allow a minimum of 2 hours prior to re-coating. Fill all visible hairline cracks and surface defects with appropriate Sika repair mortar, leveling mortar or sealer prior to applying Sikagard® Elastic Base Coat to entire surface. Consult Technical Service for spray application techniques.

**Note:** Brushing provides more even and pore free coats with better penetration. Allow a minimum of 3 hours prior to re-coating. At lower temperatures and high humidity, the waiting time will be prolonged. As with all coatings, job site mock-ups should always be completed to confirm acceptability of workmanship and material.

- Limitations**
- Not designed for use as a traffic bearing surface.
  - Substrate must be dry prior to the application. Allow sufficient time for the substrate to dry after rain or other inclement conditions, as this could cause bonding problems.
  - Minimum age of normal concrete prior to the application is 14 days, depending on curing and drying conditions (moisture content must be below 5%).
  - Minimum age of SikaTop® or Sika® MonoTop® prior to application is 3 days, depending on curing and drying conditions (moisture content must be below 5%).
  - Do not thin.
  - Crack bridging is dependent on dry film thickness.
  - If liquid material is frozen it should not be used.
  - During application, regular monitoring of wet film thickness and material consumption is advised to ensure that the correct layer thickness is achieved.
  - Crack bridging abilities are reduced with textured grade.
  - Crack bridging properties require that the minimum dry film thickness be maintained. In no circumstances should this be less than 200 microns (8 mils) total.
  - Not for use as an aesthetic coating.
  - Available in pastel base only.

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

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

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