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

Description
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.

Where To Use
As a base coat to build up the proper thickness for Sikagard® 550W Elastocolor.

Advantages
- Provides resistance to weathering, frost and de-icing salts.
- Excellent carbonation barrier.
- Dynamic crack-bridging properties.
- Water vapor permeable.
- Can be applied by brush, roller, or airless spray.
- Will bridge dynamically moving cracks 300 microns (12 mils) at 400 microns (16 mils) dft (smooth).

Coverage
Theoretical per coat:

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.

Packaging
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.

Shelf Life
2 years in original, unopened container.

Storage Conditions
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.

Color
Off White

Pot Life
Indefinite, provided proper care is taken in protecting the system from moisture, freezing, contamination, or evaporation.

Curing Rate
Initial tack-free time: 2 hours
Final cure: < 24 hours

Solids Content
by weight by volume
- Smooth 63% 47%
- Textured 64% 49%

Tensile Properties (ASTM D-412 modified)

- 7 days
  - Tensile Strength: 165 psi (1.1 MPa)
  - Elongation at Break: 370%

- 30 days
  - Tensile Strength: 210 psi (1.4 MPa)
  - Elongation at Break: 345%

Low Temperature Flexibility (ASTM C-711)
0°F 1/2" Mandrel, 180° Bend - No Change

Moisture Vapor Permeability (ASTM E-96)
10 Perms

Flame spread and smoke development (ASTM E-84-94)
- Flame Spread: 0
- Smoke Development: 5
- Class Rating: A

PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT’S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT HTTP://USA.SIKA.COM/ OR BY CALLING SIKA’S TECHNICAL SERVICE DEPARTMENT AT 800.933.7452 NOTHING CONTAINED IN ANY SIKA 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 DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.
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.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product’s most current Product Data Sheet, Product Label and Safety Data Sheet which are available online at http://usa.sika.com/ or by calling Sika’s Technical Service Department at 800.933.7452 nothing contained in any Sika 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 Data Sheet, Product Label and Safety Data Sheet prior to product use.

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 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.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product’s most current Product Data Sheet, product label and Safety Data Sheet which are available online at http://usa.sika.com/ or by calling Sika’s Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shell life. User determines suitability of product for intended use and assumes all risks. Buyer’s sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. SALE OF SIKA PRODUCTS ARE SUBJECT SIKA’S TERMS AND CONDITIONS OF SALE AVAILABLE AT HTTP://USA.SIKA.COM/ OR BY CALLING 201-933-8800.