PRODUCT DATA SHEET
Sikagard®-515 Elastomeric

100% ACRYLIC, HIGHLY FLEXIBLE ELASTOMERIC COATING

PRODUCT DESCRIPTION

Sikagard®-515 Elastomeric is a highly flexible, crack bridging, vapor permeable protective and decorative coating for concrete, masonry, EIFS, and Stucco. Sikagard®-515 Elastomeric has a flat, non-gloss smooth finish that comes in white or tinted to a desired color (Integrally colored with high quality pigments).

USES

Exterior coating for
- EIFS
- Masonry
- Concrete
- Stucco
- Previously applied acrylic or elastomeric textured finishes

CHARACTERISTICS / ADVANTAGES

- High flexibility and elongation
- Can bridge hairline cracks
- Vapor permeable
- Resistant to mildew
- Good surface hardening capability
- Can be applied by brush, roller, or spray applications
- Integrally colored with high quality pigments
- Water base VOC compliant
- Meets SCAQMD Rule 1113

PRODUCT INFORMATION

Chemical Base
- Binder base: 100% Acrylic Elastomeric polymer
- Pigment base: Titanium Dioxide.
- Water base: VOC compliant

Packaging
55 lb (25.4 kg) net weight in plastic pails

Appearance / Color
White or tinted to desired color. Flat non-gloss smooth finish.

Shelf Life
15 months from date of manufacture in original, unopened container.

Storage Conditions
Store dry at 45–95 °F (7–35 °C). Condition material to 60–75 °F (15–24 °C) before using. Protect from direct sunlight and freezing at all times. If frozen, discard. Do not stack more than 3 pails high.

Density
11.94 lb/gal at 68°F

pH-Value
8.0-10.0
Solid content by weight 68%
Solid content by volume 54%

Elongation at Break
- 473% (ASTM D412)
- 1/8" diameter through 180 degrees at -30°F

Tensile Strength
- 200 psi (ASTM D412)

Tensile Adhesion Strength
- >300 psi (ASTM D4541)

Resistance to Weathering
- Accelerated Weathering (ASTM G153)
  - Pass at 2000 hours
- Mildew-Fungus Resistance (Federal Tests 141, 6241)
  - Pass at 28 days
- Mildew Resistance
  - No growth
- Salt Fog Resistance
  - Pass at 500 hours

Water Vapor Transmission
- Permeable (ASTM E96)

APPLICATION INFORMATION

Coverage

Theoretical yield per coat for:
- Porous surfaces: 50 - 75 ft² (4.6 - 7 m²)/gal/coat.
- Smooth, filled surfaces: 140 - 160 ft² (13 - 14.8 m²)/gal/coat.
Recommended ‘wet’ film thickness: 10 mils (0.25 mm)/coat. Recommended ‘dry’ film thickness: 6 mils (0.15 mm)/coat. Normal coating system is two coats at a total dry film thickness of 12 mils*. Consumption is dependent on porosity of substrate. In addition, allowance must be made for surface profile, unavoidable variation in applied film thickness, loss and waste.

*One coat coverage recommended only for recoating over existing coatings

Waiting / Recoat Times

<table>
<thead>
<tr>
<th>Waiting Time (between coats) and Curing Rates</th>
<th>45°F</th>
<th>68°F</th>
<th>85°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sikagard®-552W Primer + Sikagard®-515 Elastomeric (50% RH)</td>
<td>—</td>
<td>4 hours</td>
<td>2 hours</td>
</tr>
<tr>
<td>Sikagard®-515 Elastomeric (50% RH)</td>
<td>—</td>
<td>8 hours</td>
<td>4 hours</td>
</tr>
<tr>
<td>Rain Resistant (75% RH)</td>
<td>—</td>
<td>12 hours</td>
<td>8 hours</td>
</tr>
</tbody>
</table>

Note: Overcoating existing coatings will increase waiting times by 100%

APPLICATION INSTRUCTIONS

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 speed pressure waterjetting. Allow adequate time for drying. For previously coated surfaces, all loose and chalking paint must be removed, and glossy surfaces...
dulled. A mock up shall be performed to ensure adhesion over any previously coated substrates. Bug holes, cracks or irregularities of substrate should be filled and leveled with SikaTop®, SikaRepair®, SikaQuick® or acrylic surface fillers as appropriate. Moving cracks shall be routed and sealed with a polyurethane sealant before coating.

PRIMING
All porous areas or concrete with excessive porosity should be primed using Sikagard® 552W Primer or SikaLatex® R to allow easy application of Sikagard®-515 Elastomeric.

MIXING
Stir the coating to ensure uniformity using a slow speed (400-600 rpm) drill and 1/2” jiffy style mixing paddle. To minimize color variation when using multiple units, blend two pails of Sikagard®-515 Elastomeric. Use one pail and maintain the second pail to repeat this procedure (boxing) for the entire application.

APPLICATION
Any areas of glass or other surfaces should be masked. Recommended application temperatures (ambient and substrate) 45°-95°F (7°-35°C). Sikagard®-515 Elastomeric can be applied by brush, roller (3/8” Nap Roller recommended), or spray over entire area moving in one direction. Sikagard®-515 Elastomeric exhibits good surface coverage in single applications. However, for uncoated, unprimed surfaces of concrete, masonry or stucco, two coats of Sikagard®-515 Elastomeric are usually required to obtain adequate hiding and performance. At lower temperatures and high humidity, waiting time to recoat will be prolonged. At higher temperatures, work carefully to maintain a wet edge. As with all coatings, job site mock-ups should always be completed to confirm acceptability of workmanship, material and aesthetics.

NOTE: To achieve a dry film thickness of 12 mils, two coats should be anticipated. For maximum adhesion, (especially on porous substrates) the use of Sikagard® 552W is recommended. Sikagard® 552W primer can be applied by brush or roller. Brushing provides more even and pore free coats and better penetration.

CLEANING OF TOOLS
Water soluble prior to drying. Clean tools and containers with water prior to drying. Cured material can be removed mechanically.

LIMITATIONS
- Ambient and surface temperature must be 45°F (7°C) or higher during application and drying time.
- Provide supplemental heat and protection from precipitation as needed.
- Use only on surfaces that are sound, clean, dry, and free from any residue that might affect the ability of the Sikagard®-515 Elastomeric coating to bond to the surface.
- Allow substrate sufficient time to dry after rain or other inclement conditions.
- Minimum age of concrete prior to the application is 14 days, depending on curing and drying conditions. Moisture content must be below 5%
- Minimum age of SikaTop®, SikaRepair®, or SikaQuick® prior to application is three days, depending on curing and drying conditions. Moisture content must be below 5%
- Normal coating system is two coats. One coat coverage recommended only for recoating over existing coatings.
- Sikagard®-515 Elastomeric coating should not be applied at relative humidities greater than 90%, or if rain is forecast within the specified rain resistance period
- During application, regular monitoring of the wet film thickness and material consumption is advised to ensure that the correct layer thickness is achieved
- When over-coating existing coatings, compatability and adhesion testing is recommended
- Application in direct sunlight in hot weather may adversely affect aesthetics.
- Not designed for use as a vehicular traffic bearing surface.
- Product must be protected from freezing, if frozen discard.
- Not recommended for roofing
- Sika is not responsible for color correctness after finish has been applied.

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 information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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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