

PRODUCT DATA SHEET

Sikagard®-575 Aquasol

100% Acrylic Enhanced Coating with Hydrophobic and Photocatalytic Properties

PRODUCT DESCRIPTION

Sikagard®-575 Aquasol is a water repellent, vapor permeable, high adhesion, solar reflectance, self cleaning protective and decorative coating for concrete, masonry, EIFS and Stucco. Sikagard®-575 Aquasol is available in light or dark tint bases and can be integrally colored with Colorfast pigments.

USES

Exterior coating for

- Concrete
- Masonry
- EIFS
- Stucco
- Previously applied acrylic textured finishes.

CHARACTERISTICS / ADVANTAGES

- Excellent water repellency
- UV Resistant
- Pollution reducing
- Long-term durability
- Self-cleaning
- Resistant to dirt pick up and mildew
- Vapor permeable
- Photocatalytic; Heat reflective
- Can be applied by brush, roller, or spray applications
- Water base VOC compliant
- Meets SCAQMD Rule 1113 when colored with Colorfast pigments

PRODUCT INFORMATION

Chemical Base	<ul style="list-style-type: none"> ▪ Binder base: 100% Acrylic polymer. ▪ Pigment base: Titanium dioxide. ▪ Water base: VOC compliant.
Packaging	60 lb (27.7kg) net weight in plastic pails
Appearance / Color	Factory 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	11.73 lb/gal at 68°F
pH-Value	8.0-10.0
Solid content by volume	57%

Elongation at Break	1/4" diameter through 180 degrees at -30°F	Flexibility (ASTM D522)
Freeze-Thaw Stability	Pass at 10 cycles	(ASTM E2485)
UV Exposure	<u>Solar Reflectance</u> Pass after 2000 hours. Improved solar reflectance, no blistering, no fading, no chalking. 46% Reflectance.	(ASTM C1549)
	<u>Rhodamine B Dye Test</u> 25% increase in L value. Up to 25-30% of pollutants degraded after 48 hours of UV exposure with a positive trend.	
Resistance to Weathering	<u>Mildew Resistance</u> Pass at 10 Cycles No growth after 28 days	(ASTM D3273) (MIL 810 B508)
	<u>Dirt Collection</u> $\Delta E = 0.96$	(ASTM D3719)
	<u>Wind Driven Rain</u> Pass at 24 hours No water penetration	(Federal Test TT-C555 B)
	<u>Accelerated Weathering</u> After 2000 hours, Pass No blistering, damage, chalking, checking, crazing, or erosion	(ASTM G153)
	<u>Color Fastness After Weathering</u> $\Delta E=0.56$ No color fading or blushing after 2000 hours	(ASTM G153)
	<u>Salt Spray Resistance</u> No Deleterious at 5000 hours	
Abrasion Resistance	> 2000 cycles	Scrub Resistance (ASTM D2486)
Water Vapor Transmission	> 12 perms	(ASTM E96 Procedure B)

APPLICATION INFORMATION

Coverage	Theoretical yield per coat : 200 - 240 ft ² (18.6 - 22.4 m ²)/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
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Waiting / Recoat Times

Waiting Time (between coats) and Curing Rates	45°F	68°F	85°F
Sikagard®-552W Primer +Sikagard®-575 Aquasol (50% RH)	—	4 hours	2 hours
Sikagard®-575 Aquasol (50% RH)	—	8 hours	4 hours
Rain Resistant (75% RH)	—	12 hours	8 hours

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 water-jetting. 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®-575 Aquasol.

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®-575 Aquasol. 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®-575 Aquasol can be applied by brush, roller (3/8" Nap Roller recommended), or spray over entire area moving in one direction. Sikagard®-575 Aquasol exhibits good surface coverage in single application. However, for most uncoated, unprimed surface of concrete, masonry, or drywall, two coats of Sikagard®-575 Aquasol may be required to obtain adequate hiding of the substrate and best 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®-575 Aquasol Coating to bond to the surface.
- 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 for 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®-575 Aquasol Coating should not be applied at relative humidity greater than 90%, or if rain is forecast within the specified rain resistance period.
- During application, regular monitoring of wet film thickness and material consumption is advised to ensure that the correct layer thickness is achieved.
- When overcoating existing coatings, compatibility and adhesion testing is recommended.

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- Allow substrate sufficient time to dry after rain or other inclement conditions
- 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

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 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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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 the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **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.**

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