BUILDING TRUST
CONSTRUIRE LA CONFIANCE

PRODUCT DATA SHEET
Edition 12.2018/v1
CSC Master Format™ 09 96 53
ELASTOMERIC COATINGS

Sikagard®-552 W Aqua Primer

WATER-BASED ADHESION PROMOTING PRIMER FOR POROUS CONCRETE AND MASONRY beneath Sikagard® Protective and Decorative Architectural Coatings

Description

Sikagard®-552 W Aqua Primer is a water-based primer and sealer for application onto porous substrates beneath Sikagard® protective and decorative architectural coatings, including Sikagard® Elastic Base Coat, Sikagard®-550 W Elastic and Sikagard®-670 W. It promotes the adhesion of coatings, especially on chalky, friable substrates, and seals surfaces, reducing the absorbency and allowing following coatings to be applied to more uniform film thicknesses and achieve more consistent opacity.

Where to Use

- Adhesion promoting primer on more friable substrates, consolidating the surface and providing a better surface for protective and decorative finishes.
- Surface sealer for porous concrete, mortar, stucco, masonry and exterior finishing systems due to receive subsequent coatings.

Advantages

- Easily applied by brush, roller or airless spray.
- Provides surface consolidation of chalky, friable surfaces and improves adhesion of Sikagard® architectural coatings.
- Reduces absorbency of porous substrates to regulate film thickness of finishes.
- Water vapour permeable, allowing structures to breathe.
- Non-toxic and non-flammable.
- An environmentally-friendly, low-VOC content, solvent-free, water-based material.

Technical Data

Packaging	18.9 L (5 US gal.) resealable pail		
Colour & Appearance	Milky white. Clear when dry.		
Yield	7 - 10 m²/L (285 - 407 ft²/US gal.) per coat Typically one coat is required, though on higher absorbency substrates a second coat may be required. Actual coverage rates and material consumption will vary depending on the porosity and profile of the substrate. In addition, allowance must be also made for variation in applied film thickness, loss and waste. Test sections are recommended.		
Shelf Life	2 years in original unopened container. Store dry between 4 and 35 °C (40 and 95 °F) Condition material between 15 and 25 °C (60 and 75 °F) before using. Protect from freezing. If frozen, discard.		
Application Temperature (ambient and substrate)	Minimum 5 °C (40 °F)	Maximum 35 °C (95 °F)	
Waiting Time (between coats) and Drying Times	**8 °C (45 °F)**	**20 °C (68 °F)**	**30 °C (85 °F)**
Sikagard®-552 W Primer + Sikagard®-550 W Elastic	24 hrs	12 hrs	6 hrs
Sikagard®-550 W Elastic	12 hrs	8 hrs	6 hrs
Rain resistant (at 75 % R.H.)	24 hrs	4 hrs	2 hrs

(Note: Overcoating old coatings may increase the waiting times.)

Properties at 23 °C (73 °F) and 50 % R.H.

Solids Content	20 % by weight	17 % by volume

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

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 (ICRI-CSP 3). Where necessary, surfaces should be prepared mechanically by blast cleaning or high pressure waterjetting. Bugholes, cracks or irregularities in the substrate should be filled and levelled with SikaTop®, SikaRepair® or Sika MonoTop® mortars as appropriate.

Mixing

Sikagard®-552 W Aqua Primer is supplied ready for use and must not be diluted. Stir the material thoroughly using a slow speed (300 - 450 rpm) drill and a Sika or Jiffy-style paddle to ensure all solids are evenly distributed and a uniform consistency is achieved (three (3) to five (5) minutes).

Note: It is important to keep the product fully agitated. Any breaks in application should be followed by re-stirring of the material to again produce a uniform consistency before continuing with the application.

Application	Any areas of glass or other surfaces should be masked to protect against contact with the primer. Sikagard®-552 W Aqua Primer, where required, can be applied by brush, roller or spray (brushing provides more even and pore free coats and better penetration). Allow Sikagard®-552 W Aqua Primer to become touch dry to the touch before overcoating with either further applications of the primer (on excessively porous substrates) or the Sikagard® coatings. At lower temperatures and/or high humidity, waiting time will be prolonged. At higher temperatures, work carefully to maintain a wet edge. **Note:** As with all coatings, jobsite trials are recommended to establish the need for priming, suitability of application equipment, coverage rates and material consumption.
Clean Up	Collect and contain spills with absorbent product. Discard in accordance with applicable regulations. Clean tools and brushes with water. Wash soiled hands and skin thoroughly in hot soapy water or use Sika® Hand Cleaner towels.
Limitations	▪ Not designed for use on traffic-bearing surfaces or as part of a roofing system. ▪ 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 Sika MonoTop® mortars prior to application is 3 days, depending on curing and drying conditions (moisture content must be below 5 %). ▪ Allow sufficient time for substrate to dry after water-jetting or rain before applying the primer. ▪ Do not store Sikagard®-552 W Aqua Primer in direct sunlight for prolonged periods. ▪ Sikagard®-552 W Aqua Primer should not be applied at relative humidity greater than 90 %, or if rain is forecast within the specified rain resistance period. ▪ Ensure that the primer is at least touch dry before starting to overcoat to prevent formation of bubbles and blisters, particularly in warmer weather. ▪ During application, regular monitoring of the coverage rate and material consumption is advised to ensure that the correct quantity of primer is be applied. ▪ When priming onto existing coatings, compatibility and adhesion testing is recommended and it should be recognized that the existing coating will impact upon overall performance.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data. KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY

SIKA CANADA INC.
Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9

Other locations
Toronto
Edmonton
Vancouver

1-800-933-SIKA
www.sika.ca

Certified ISO 9001 (CERT-0102780)
Certified ISO 14001 (CERT-0102791)