



PRODUCT DATA SHEET

Edition 12.2017/v1
CSC Master Format™ 09 97 23
CONCRETE AND MASONRY COATINGS

Sikagard® A-28 Lo-VOC

CLEAR "WET LOOK" ACRYLIC SEALER, VOC-COMPLIANT, FOR MASONRY AND CONCRETE STRUCTURES

Description	Sikagard® A-28 Lo-VOC is a clear, 'wet look' acrylic (methacrylate resin) sealer. Using proven technology, the coating has been formulated to be VOC compliant while providing protection to concrete and masonry surfaces.
Where to Use	<ul style="list-style-type: none"> Protect and seal brick, block or concrete against the ingress of water. Protect and seal low traffic bearing areas.
Advantages	<ul style="list-style-type: none"> Supplied ready to use, no additions or dilution required. Easy to apply, typically self priming and therefore economical. Excellent weathering performance, resisting ultra violet light, wind erosion and general exposure. Effective barrier to the ingress of water, carbon dioxide, pollutants and chloride ions. Resistant to a wide range of weak acidic and alkaline solutions. Breathable, allowing vapour diffusion in accordance with building physics. Good inter-coat adhesion allows for repair and simple re-coating after cleaning. Easy to clean and clear 'wet look' decorative properties, particularly as long term sealer for stone/concrete or exposed aggregate surfaces, or for low traffic areas such as driveways. Approved by Alberta Transportation as a Type 2a clear coating suitable for use on non-traffic bearing surfaces, such as parapets and curbs. Complies with the VOC legislation.

Technical Data

Packaging	18.9 L (5 US gal.) pail
Colour and finish	Water clear, "wet look" once dried.
Yield	<p>Smooth dense concrete: Approx. 6.8 m²/L (275 ft²/US gal.) per coat. Porous block or brick: 3.4 m²/L (138 ft²/US gal.) per coat. Alberta Transportation Specification, Type 2a: 336 mL/m² total (equivalent to 3 m²/L or 121 ft²/US gal.) Typical application requires two (2) coats at a minimum rate of 6 m²/L (242 ft²/ US gal.) to reach 1.3 mils in dry film thickness per coat. A third coat may be necessary where very porous or profiled surfaces exist. Consumption is dependent upon absorbency of the substrate. In addition, allowance should be made for surface profile, unavoidable variation in applied film thickness, loss and waste. Test sections are recommended.</p>
Shelf Life	2 years in original, unopened pail. Store dry, at cool temperatures [above 5 °C (41 °F)] and out of direct sunlight. Ventilate storage area to prevent build-up of vapours.
Application Temperature	Sikagard® A-28 Lo-VOC should be applied at temperatures above 10 °C (50 °F).
Service Temperature	-50 to 80 °C (-58 to 176 °F) Will withstand temperatures up to 150 °C (302 °F) for limited periods with only marginal loss of flexibility.
Drying Time	Sikagard® A-28 Lo-VOC can be applied down to 10 °C (50 °F) with drying time being approximately 60 minutes. Drying time decreases with increasing temperature. At 25 °C (77 °F), drying time is approximately 30 minutes.
Physical Properties at 25 °C (75 °F) and 50 % R.H.	
Solids	20 ± 1 % by weight
Density	Approx.1.28 kg/L (10.6 lb /US gal.)
Viscosity	135 cps
VOC Content	22,9 g/L
Chemical Resistance	Consult Sika Canada

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 clean, dry, sound and frost free with dirt, dust, curing compound residues, existing paints, surface laitance, oil, grease, rust or other contaminants removed.

Existing coatings would not typically be overcoated with a clear, 'wet look' coating so should be removed, unless extensive testing confirms compatibility of materials and it is accepted that the existing paint will determine overall performance.

An open textured, sandpaper-like and uniform surface (ICRI-CSP 1 -2) is best for the final appearance. Where necessary, surfaces should be prepared mechanically by light sand blasting or high pressure water-jetting (allowing adequate drying time if using water). **Note:** Sikagard® A-28 Lo-VOC is moisture-sensitive.

Bug holes, cracks and other irregularities in the substrate should be filled and levelled with SikaTop®, SikaRepair® or Sika MonoTop® mortars as appropriate. It should be recognised that clear coatings will not mask repairs, so mortars may have to be modified for colour and texture. Consult Sika Canada for recommendations.

Product Preparation Stir the material thoroughly, using a slow-speed (300 - 450 rpm) drill fitted with a *Jiffy*-style paddle. **Do not dilute.**

Stir until a uniform consistency and appearance have been achieved (3 to 5 minutes). The material must be stirred frequently during use.

Application

Any areas of glass or other such surfaces should be masked to protect against contact with the coating.

Sikagard® A-28 Lo-VOC can be applied by brush, roller or spray, working to achieve even coats of 6.8 mils w.f.t. per coat. When applied by roller, use a short nap lamb's wool roller. For spray applications, contact spray specialists to determine suitable equipment and for application advice (thinning may be required, contact Sika Canada). Two uniform coats, to a total dry film thickness of 3 mils should be allowed for. On porous substrates, a third coat may be necessary. Allow previous coat to become dry to touch (tack-free) prior to overcoating.

Clean Up

Clean all tools and equipment with Sika® Epoxy Cleaner. Wash soiled hands and skin thoroughly using Sika® Hand Cleaner towels and hot soapy water.

Limitations

- Sikagard® A-28 Lo-VOC is moisture sensitive and must be applied on a dry substrate.
- Minimum age of concrete prior to the application is 14 days, depending on curing and drying conditions (moisture content must be below 4 %).
- Allow sufficient time for the substrate to dry after water-jetting, rain or before coating.
- Not designed for use on heavily trafficked surfaces.
- Do not use over moving cracks, either seal cracks with Sikaflex® or apply Sikagard®-550 W Elastic.
- Minimum age of SikaTop®, SikaRepair® or Sika MonoTop® mortars is 3 days prior to the application of Sikagard® A-28 Lo-VOC (moisture content must be below 4 %).
- Overcoating existing paints with clear coatings is not typical, but if this is required, compatibility and adhesion testing is essential.
- During application, regular monitoring of wet film thickness and material consumption is advised to ensure that the correct thickness is achieved.
- Ensure previous coats are touch dry/tack-free before over coating to prevent formation of bubbles and blisters, particularly in warm weather.
- The finished coating would be attacked by aromatic solvents and ketones if exposed to such.
- Sikagard® A-28 Lo-VOC is not designed for use on grade or where moisture transmission may cause delamination of the coating.

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

The Information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelflife. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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Certified ISO 9001 (CERT-0102780)
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