



## PRODUCT DATA SHEET

# Sikagard®-219 Concrete Protector

Clear Low Sheen Penetrating Sealer

### PRODUCT DESCRIPTION

Sikagard®-219 Concrete Protector provides clear weatherproof protection against deterioration caused by de-icing salt, gasoline, oil, weathering and efflorescence (white, powdery, salt-like deposits visible on masonry). Sikagard®-219 Concrete Protector unique SALTLOK® Technology penetrates into the surface providing superior resistance to unsightly efflorescence staining often visible on brick, block and poured concrete surfaces. Sikagard®-219 Concrete Protector seals bare masonry surfaces against dusting, staining, surface cracking and pock marking.

### WHERE TO USE

**SEALER:** Ideal for interior, exterior, horizontal or vertical masonry surfaces, including concrete driveways, garage floors, basement floors, concrete sidewalks, block retaining walls, brick siding/walkways, terrazzo, and slate surfaces. Worn surfaces with similar clear coatings, which allow water penetration, may be recoated with Sikagard®-219 Concrete Protector. For best results test for proper adhesion on a small area prior to coating entire surface

**PRIMER-SEALER:** Sikagard®-219 Concrete Protector can be used as a primer/sealer prior to applying DRYLOK Latex Concrete Floor Paint, DRYLOK E1 Latex 1-Part Epoxy Floor Paint, latex, alkyd or polyurethane concrete floor paints or carpeting. Do not use as a primer/sealer in a garage setting when subject to vehicle traffic. For self adhesive floor tiles, check with tile manufacturer for adhesion compatibility

**MINIMIZE RECURRING EFFLORESCENCE:** Sikagard®-219 Concrete Protector can be used as a primer/sealer under DRYLOK® Masonry Waterproofing or other masonry wall coatings to minimize recurring efflorescence. When applied over powdery surfaces such as chalking masonry paint, sand blasted masonry and powdering concrete and mortar Sikagard®-219 Concrete Protector solidifies surface for painting

### CHARACTERISTICS / ADVANTAGES

- Protects against road salt, weathering, gasoline and oil
- Prevents excessive dusting, surface cracking and pock marking
- Solidifies masonry surfaces for top coat
- Minimizes reoccurring efflorescence
- Primes prior to paint

### PRODUCT INFORMATION

Composition / Manufacturing	Latex base
Packaging	3.78 L (1 US gallon) pail / 2 pails per box 18.93 L (5 US gallons) pail
Shelf Life	5 years in original, undamaged and unopened packaging.
Storage Conditions	Store dry at temperatures between 7 - 32 °C (45 - 90 °F). Keep from freezing. Condition material between 10 - 24 °C (50 - 75 °F) before using

<b>Appearance / Colour</b>	Milky white when applied but dries satin sheen clear
<b>Density</b>	1.01 kg/L (8.5 lb/US gal)
<b>Solid content by weight</b>	19% ± 2
<b>Solid content by volume</b>	18% ± 2
<b>Viscosity</b>	10–12 Seconds #4 Ford Cup @ 25 °C (77 °F)
<b>pH-Value</b>	8.5-9.5
<b>Volatile organic compound (VOC) content</b>	Does not exceed 100 g/L
<b>Yield</b>	<ul style="list-style-type: none"> <li>• 9.80 m<sup>2</sup>/L (400 ft<sup>2</sup>/US gal.)</li> </ul> <b>Note:</b> Actual coverage will vary depending upon application method, surface texture, and porosity
<b>Layer Thickness</b>	0.1 mm (5 mil) w.f.t. / coat
<b>Drying time</b>	<ul style="list-style-type: none"> <li>• To touch: 45 minutes</li> <li>• To recoat: 1 hour</li> <li>• Full cure: 24 to 48 hours</li> </ul> <b>Note:</b> Maximum cure and dry time will be prolonged when slightly humid and damp, cool conditions prevail.

## BASIS OF PRODUCT DATA

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.

## ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Remove all dirt, wax, dust, mildew, and loose or scaling material with a scraper, wire brush, or stiff bristle brush. Masonry surface must be dry and free of dirt, wax, dust, mildew, and loose or scaling material. For proper penetration and adhesion to extremely smooth bare concrete floors, use muriatic acid. Rinse thoroughly (pressure wash for best results). Allow to dry thoroughly according to manufacturer's directions. If using a pressure washer, do not use on a pressure setting above 12.06 MPa (1750 PSI) to avoid damaging the concrete. Remember, concrete acts like a stone sponge. Pressure washing and general cleaning may trap residual moisture in the concrete. To check for trapped moisture,

tape a 12 po x 12 po (12 in x 12 in) piece of 3 mil plastic or aluminum foil tightly on all four edges to the surface. Remove it after 24 hours. If the floor side of the plastic or foil is damp, allow additional drying and repeat the test.

**EFFLORESCENCE**, a white, powdery, crystal-like deposit visible on the masonry surface, must be removed. Muriatic acid used according to manufacturer's directions, is an effective efflorescence removal agent. All masonry surfaces are subject to occurrences of efflorescence. Properly prepared concrete should look and feel like medium grit sandpaper. If concrete remains smooth, repeat muriatic acid procedure. Test concrete porosity by sprinkling a few drops of water onto the surface in several areas. If the water is readily absorbed, you are ready to paint. If it beads or lays on the surface additional cleaning and muriatic acid solution is needed. Rinse thoroughly with clean water and allow to dry for 24 hours. **NOTE:** Rinse muriatic acid solutions thoroughly. Muriatic acid solution allowed to dry on the masonry surface will prevent proper penetration and curing of the Sikagard®-219 Concrete Protector. Surface must be thoroughly dry. Do not apply to damp surfaces. For exterior surfaces, do not apply if rain is expected within 48 hours. Wait for a dry, rain free period new concrete and freshly applied Portland cement based patching compounds must be cured for a minimum of 24 hours prior to application of Sikagard®-219 Concrete Protector. Patch all holes and cracks with a suitable cement based patching compound. Be sure to smooth the patch evenly. Allow the patched area to dry thoroughly.

## MIXING

No mixing required, the product is ready-to-use. Just shake the pail thoroughly before applying.

**THINNING** Due to variations in porosity, when applied over flagstone, slate, terrazo, dense smooth or light colored concrete, thin with clean, moderately warm water 10%—20% to minimize sheen variations as subsequent top coats are applied. Test on a small area to see final effect.

## APPLICATION

Apply by brush, roller or squeegee. Spread evenly, do not allow puddles or heavy surface film to occur. Apply one coat. If after one coat, water droplets are readily absorbed into the surface (extremely porous surfaces), a second coat may be required. Allow 1 hour between coats. Sikagard®-219 Concrete Protector should not be used to build up surface film. As additional coats are applied, sheen build-up will occur and surface will become slippery when wet. On light-colored surfaces, some slight darkening may take place.

**Note:** Preliminary site test application is recommended (preferably on a small, prepared and inconspicuous surface) to determine satisfactory appearance and surface slip resistance.

## CLEAN UP

Clean all tools and application equipment with water immediately after use. Dried material can only be mechanically removed.

## LEGAL NOTES

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 in accordance with Sika's recommendations. 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](http://www.sika.ca)

### **Sika Canada Inc.**

Head Office  
601, avenue Delmar  
Pointe-Claire, Quebec  
H9R 4A9  
1-800-933-SIKA  
[www.sika.ca](http://www.sika.ca)

### **Other locations**

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

### **Product Data Sheet**

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