

## PRODUCT DATA SHEET

# Sikagard®-185 Enviroseal

(formerly MProtect H 185)

HIGH-PERFORMANCE, BREATHABLE, WATER-BASED, PATENTED SILANE/SILOXANE BLENDED WATER-REPELLENT SEALER FOR LIGHTWEIGHT BLOCK

### PRODUCT DESCRIPTION

Sikagard®-185 Enviroseal is a high-performance, water-based, clear, silane/siloxane sealer designed to provide long-term protection for the most challenging split-faced and lightweight block as well as standard CMU.

### USES

- Vertical
- Interior or exterior
- Above grade

#### Substrates

- Concrete block
  - Lightweight
  - Integrally colored
  - Split faced
- Porous concrete surfaces

### CHARACTERISTICS / ADVANTAGES

- Water repellency extends the life of a building
- Treats lightweight block and CMU providing long-lasting protection against moisture intrusion
- VOC Compliant for EPA and most regional jurisdictions
- Excellent water bead so the substrate maintains dry appearance during rainfall
- Transparent and non-staining; does not alter surface appearance
- Breathability allows interior moisture to escape without damaging sealer
- Easy to apply

### PRODUCT INFORMATION

<b>Chemical Base</b>	Sikagard®-185 Enviroseal is a water-based proprietary blend of silane and siloxane.
<b>Packaging</b>	5 gallon (19 L) pails 54 gallon (205 L) drums
<b>Shelf Life</b>	1 year when stored properly
<b>Storage Conditions</b>	Store in unopened containers in a clean, dry area between 35 and 110° F (2 and 43° C). Keep from freezing.
<b>Color</b>	Milky white; dries clear
<b>Appearance / Color</b>	<b>Appearance after application</b> Unchanged

Density	8.38 lb/gal <b>Specific Gravity</b> 1.0 kg/L	
Flash Point	> 212 ° F (> 100 ° C)	(ASTM D 3278)

## TECHNICAL INFORMATION

Penetration Depth	1/16 – ¼ in, (1.5–6 mm) average depth depending upon substrate	
Water Tightness	99% reduction	(ASTM E 514)
Water resistance	<b>Water Repellency</b> > 95% reduction in water absorption	(ASTM C 140)
Resistance to Weathering	<b>Efflorescence</b> Highly resistant	
Light fastness of colour pigments	No yellowing	

## APPLICATION INFORMATION

Coverage	Block (lightweight): 25–60 ft <sup>2</sup> /gal (0.6–1.5 m <sup>2</sup> /L) Porous concrete: 60–150 ft <sup>2</sup> /gal (1.5–3.7 m <sup>2</sup> /L) A test area is recommended to determine actual coverage rates. Coverage rates will vary greatly with the porosity of the substrate.
Drying Time	Typical drying time for Sikagard®-185 Enviroseal is 4 hours at 70° F (21° C) and 50% relative humidity. Cooler temperatures or higher relative humidity can extend the drying time. <b>Drying time to recoat</b> 30 min

## 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.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## APPLICATION INSTRUCTIONS

- Keep material from freezing.
- Do not dilute Sikagard®-185 Enviroseal.
- Do not apply during inclement weather or when inclement weather is anticipated within 2 hours.
- To prevent damage to nearby shrubbery and

landscaping, cover or protect with drop cloth.

- Variations in the texture and porosity of the substrate will affect the coverage and performance of the product.
- Protect asphalt-based products such as roofing materials or plastic products from overspray
- Sikagard®-185 Enviroseal will not inhibit water penetration through unsound or cracked surfaces or surfaces with defective flashing, caulking, or structural waterproofing.
- Make certain the most current versions of the product data sheet and SDS are being used.
- Proper application is the responsibility of the user. Field visits by Sika personnel are for the purpose of making technical recommendations only and are not for supervising or providing quality control on the jobsite.

## SUBSTRATE PREPARATION

1. Surfaces should be clean, dry, and free of alkali, efflorescence, sand, surface dust or dirt, oil, grease, chemical films, and other contaminants. Concrete surfaces should be fully cured.
2. Air, material, and surface temperatures should be 40° F (4° C) or higher during application and curing. Surfaces can be slightly damp prior to application, but for best

results and maximum penetration of sealer, a dry surface is recommended. Do not apply sealer when temperatures are expected to fall below 40° F (4° C) within 4 hours of the completed application.

3. Repoint any loose or disintegrated mortar and allow a minimum of 72 hours drying time before application. Install caulking and sealant before application, allowing a minimum of 6–12 hours of curing time (or until set). Contact Technical Service for recommendations.

## APPLICATION

1. Test a small area of the surface (generally a 5 by 5 ft [1.5 by 1.5 m] section) before starting the general application of any clear penetrating sealer to ensure desired performance results, aesthetics, and coverage rates. Allow 2 weeks for the product to fully react before evaluating. Refer to Appendix HY-3: Test Area Application.
2. Mix material thoroughly before and during application.
3. Apply by low-pressure, non-atomizing spray.
4. Apply a mist coat of Sikagard®-185 Enviroseal immediately before application to help break surface tension and assist with maximum penetration.
5. Flood surfaces to saturation by applying from the bottom up, with a controlled 8–10" (20 cm) material rundown to ensure maximum penetration into the substrate.
6. Extremely porous substrates may require 2 coats. Application of the second coat should proceed with a wet-on-wet application. Refer to Appendix HY-1: Sealing Lightweight Block.

## CLEANING OF TOOLS

Clean equipment and tools with hot soapy water. Overspray can be cleaned immediately with hot soapy water. Dried residue can be cleaned with a mild citrus-based cleaner or very hot water, then scrubbed with a soft-bristle brush.

## 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

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### Product Data Sheet

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product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://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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