

**BUILDING TRUST** 

## PRODUCT DATA SHEET

# Sikagard<sup>®</sup> H 185

(formerly MProtect H 185)

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

#### DESCRIPTION

Sikagard<sup>®</sup> H 185 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

## PRODUCT INFORMATION

### **CHARACTERISTICS / ADVANTAGES**

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

Chemical Base	Water-based proprietary blend of silane and siloxane.	
Packaging	5 gallon (19 L) pails 54 gallon (205 L) drums	
Shelf Life	1 year when stored properly	
Storage Conditions	Store in unopened containers in a clean, dry area between 35 and 110° F (2 and 43° C). Keep from freezing.	
Appearance / Colour	Milky white; dries clear Yellowing: None Surface appearance after application: Unchanged	
Density	8.38 lb/gal <b>Specific Gravity</b> 1.0 kg/L	
Flash Point	> 212°F (> 100°C)	(ASTM D 3278)

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#### **TECHNICAL INFORMATION**

Penetration Depth	1/16 in – 1/4 in (1.5 mm – 6 mm) average depth depending upon the substrate	
Water Absorption	Water Permeance 99% reduction of leakage on block wall	(ASTM E 514)
	Water Repellency	
	> 95% reduction in water absorption	(ASTM C 140)
Water resistance	Efflorescence Highly resistant	

#### **APPLICATION INFORMATION**

Yield	Block (lightweight): 25–60 ft²/gal (0.6–1.5 m²/L) Porous concrete: 60–150 ft²/gal (1.5–3.7 m²/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® H 185 is 4 hours at 70° F (21° C) and 50% relative humidity. Cooler temperatures or higher relative humidity can extend the drying time. Drying time for a recoat 30 min, (if necessary)

#### **BASIS OF PRODUCT DATA**

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

### ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

### **APPLICATION INSTRUCTIONS**

- Keep material from freezing.
- Do not dilute Sikagard<sup>®</sup> H 185.
- 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<sup>®</sup> H 185 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 evaluation. 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<sup>®</sup> H 185 immediately before application to help break surface tension and assist with maximum penetration.
- 5. Flood surfaces to saturation by applying from the

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bottom up, with a controlled 8–10" (20 cm) material rundown to ensure maximum penetration into the substrate.

 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 citrusbased cleaner or very hot water, then scrubbed with a soft-bristle brush.

#### 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 written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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