BUILDING TRUST

PRODUCT DATA SHEET

Sikagard® H 185

(formerly MProtect H 185)

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

DESCRIPTION

Sikagard® 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

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 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

PRODUCT INFORMATION

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 **Specific Gravity** 1.0 kg/L	
Flash Point	> 212°F (> 100°C)	(ASTM D 3278)

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® 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® 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® H 185 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 NOTES

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