BUILDING TRUST

PRODUCT DATA SHEET

Sikagard® HB 200

(formerly MProtect HB 200)

WATER-BASED POLYVINYL ACETATE BONDING AGENT

PRODUCT DESCRIPTION

Sikagard® HB 200 is a 100% acrylic, smooth waterproof coating designed for airless spray application.

USES

- Exterior
- Vertical and overhead surfaces
- Above grade
- Protecting and waterproofing

Substrates

- Concrete
- Masonry
- Cement Plaster
- Stucco
- EIFS
- Existing Coatings

CHARACTERISTICS / ADVANTAGES

- Airless spray application speeds production and reduces turnaround time
- 100% acrylic to protect and waterproof commercial and residential buildings
- Resists wind-driven rain, helps prevent water penetration into the substrate
- Breathable to allow water vapor to escape
- Excellent adhesion, bonds securely to substrate for long-term durability
- UV resistance provides excellent color retention for a long-lasting attractive finish
- Excellent color retention for maintaining bright colors without fading over time
- Freeze/thaw resistant, suitable for cold climates
- Low VOC content for broad compliance across all regions

PRODUCT INFORMATION

Chemical Base	Sikagard® HB 200 contains water, acrylic emulsion, fillers, and other proprietary ingredients.	
Packaging	5 gallon (18.9 L) pails	
Shelf Life	18 months when properly stored	
Storage Conditions	Store in unopened containers in a clean, dry area. Keep from freezing.	
Density	11.3–12.3 lbs/gal (1.35–1.47 kg/L)	(ASTM D 1475)
Flash Point	> 200 ° F (93 ° C)	(ASTM D 56 Tag Closed Tester)
Solid content by mass	56.3%	(ASTM D 5201)
Solid content by volume	39%	(ASTM D 5201)

Viscosity	102–103 KU	(ASTM D 562 (Stormer))

TECHNICAL INFORMATION

Impact Strength	Direct	82	(ASTM D 2794)
	Reverse	78	
Gloss level	3.0		(ASTM D 523)
Solar Reflectance	> 91%		(ASTM E 1347)
Low Temperature Bend	No cracking on 1" mandrel		(ASTM D 522)
Resistance to wind-driven rain	Meets requirement – no water penetration		(TT-C-555B)
Permeability to Water Vapor	25 perms		(ASTM E 96)
Microbiological Resistance	No growth		(ASTM D 5589)
Microbiological Resistance	No growth, it meets the requirement		(ASTM D 3273)
UV Exposure	Passed on Xenon Arc, Type B; 5,000 hrs		(ASTM G 26 Passed)
Freeze-Thaw Stability	Passed 50 cycles		(ICBO Method)
Salt spray resistance	Passed on 300 hours		(ASTM B 117)
Reaction to Fire	Flame Spread	0	(ASTM E 84)
	Smoke	5	

APPLICATION INFORMATION

Coverage

Rate ft²/gal (m²/L)	Wet Film mils (mm)	Dry Film mils (mm)
150 (3.7)	11 (0.3)	4 (0.102)
Re-coat only		
125 (3.0)	13 (0.33)	5 (0.127)
75 (1.8)	22 (0.559)	8 (0.203)

Drying Time

Times assume 70 °F (21 °C) and 50% relative humidity.
To touch: 1–2 hours
To recoat: minimum of 6 hours
Lower surface or air temperatures and higher relative humidity will extend the drying time.

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

- Do not apply when the substrate or ambient temperature is 40 °F (4 °C) or below or is expected to fall below 40 °F (4 °C) within 24 hours after application.
- Do not apply if rain is expected within 24 hours of application.
- Not for immersion service.
- Not intended for use as a horizontal traffic-bearing coating.
- Apply a 4 by 4 ft (1.2 by 1.2 m) test area to verify

acceptable color and adhesion before proceeding with any project. The test method for measuring adhesion is ASTM D 3359, Measuring Adhesion by Tape Method A. On the 0–5 scale, a minimum adhesion rating of 4A is required.

- Color formulas containing organic colorants are susceptible to fading in exterior applications. Refer to Technical Support for guidance.
- Do not thin the material.
- For professional use only; not for sale to or use by the general public.
- 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 not for supervising or providing quality control on the jobsite.

SUBSTRATE PREPARATION

1. Surfaces should be clean and sound and free of all bond-inhibiting contaminants.
2. Concrete substrates should be fully cured.
3. Repair any holes, and spalled and damaged concrete with appropriate Sika repair materials. Allow appropriate cure time prior to coating.
4. Remove any protruding concrete accessories and smooth out any surface irregularities.
5. High-pressure power wash surface (or abrasive blast on hard, dense surfaces) to create a profile of SP 3, per ICRI Guide 310.2.
6. Some stains may require chemical removal. Neutralize any cleaning compounds used and rinse with clean water.
7. Check the adhesion of old coatings according to ASTM D 3359, Measuring Adhesion by Tape Test Method A.
8. Remove any blisters or delaminated areas and sand edges to smooth rough areas and provide a transition to old paint areas.
9. Treat cracks greater than 1⁄32" with Sika Thorocoat®-746 Knife Grade or SikaWall® FL 748. Treat cracks larger than ¼" as expansion joints and fill with appropriate Sika sealant.
10. New CMU must have a base coat of Sika Thorocoat®-749 Block Filler.

MIXING

1. Prior to use, mix Sikagard® HB 200 at a slow speed with a drill and mixing paddle to ensure uniform color and to minimize air entrapment.
2. In multi-pail applications, mix the contents of each new pail into the partially used previous pail to ensure color consistency and smooth transitions from pail to pail.

APPLICATION

1. When Sikagard® HB 200 is intended to provide waterproofing, it should be applied as a two-coat system, achieving a total dry-film thickness (DFT) of 10–16 mils (0.25–0.4 mm). For re-coat applications one coat at 4–8 mils (0.1–0.2 mm) DFT. On porous substrates, texture, and color may affect the hide and mils thickness of the re-coat and may require an additional coat. A mock-up area should be conducted to confirm coating consistency.
2. Apply Sikagard® HB 200 by brush, spray, roller, or spray-and-backroll.
3. Maintain proper uniform wet-film thickness (WFT) during application to ensure the performance characteristics desired (see yield rates section).
4. Always work to a natural break and maintain a wet edge during application.
5. For uniformity of color, application techniques must be consistent throughout the project.

Roller

1. Use a quality ¾–1¼" nap roller cover.
2. Completely saturate the roller and keep it loaded with the coating to build the required mils. Never dry roll.
3. Cross roll, maintaining a wet edge, to achieve uniform thickness. Backroll in one direction for a consistent appearance.

Spray

1. Equipment is available for spraying Sikagard® HB 200. Contact the equipment manufacturer for further recommendations.
2. Backrolling in one direction after spray application is recommended to achieve uniform film thickness.

Brush

1. Application by brush is recommended only for small inaccessible areas, e.g., on touch-ups.
2. Use only a nylon brush.

CLEANING OF TOOLS

Clean all tools and equipment immediately with water. Cured material may be removed by mechanical means.

LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

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