

Sikagard Hygiene GP

Hybrid Acrylic Wall and Ceiling Coating System

Description	Sikagard Hygiene GP is a seamless, highly durable wall and ceiling coating system that utilizes Sika Bonding primer and Sikagard 205 W Sterisheen. It cures to form an attractive, low-glare, semi-gloss finish. Sikagard Hygiene GP will tolerate most thermal movement without cracking, splitting or flaking. Due to its inherent vapor permeability, it allows substrate moisture to escape without causing blisters beneath the cured film. Sikagard Hygiene GP contains antimicrobial technology.
Where to Use	<ul style="list-style-type: none">■ Internal walls and ceilings of environments that require continuously sanitary conditions.■ Pharmaceutical■ Food & Beverage■ Bio-tech manufacturing■ Hospitals■ Clean rooms■ Laboratories
Advantages	<ul style="list-style-type: none">■ Seamless, semi-gloss, easy clean finish■ Wide array of color options.■ Good hiding characteristics■ Rapid drying, same day recoat if required■ Tough and highly durable■ Elastomeric■ Excellent UV characteristics■ Water vapor permeability characteristics■ Self protective against the growth of mold, bacteria, yeast and fungi.■ Easy to repair and maintain
Chemical Resistance	Refer to the Chemical Resistance Guide of the top coat applied or consult Sika Technical Services at 800-933 SIKA (7452).

Typical Data

Water Vapor Transmission	BS. 3177 (temperate TB, 329/SHN 22 g./m ² /day at 140 microns.
Fire Resistance	Rated class 0, acc. BS 476 Part 6 & 7
Accelerated Weathering	ASTM - G53 - 88:2500 hours QUV. TB 328/SHN. No appreciable change other than slight tendency to matt.
Tensile Elongation	Unreinforced: 40%, Reinforced - Reemat Lite: 6%
Tensile Load	Unreinforced: 0.10 ft. pounds (1.3 kg/cm) Reinforced - Reemat Lite: 0.64 ft. pounds (8.71 kg/cm)
Adhesion to Concrete	>217 psi (1.5 N/mm ²)
Tensile Strength	Unreinforced 652 psi (4.5N/mm ²) (BS EN ISO 27-3)
Density	10.54 lbs per gallon ~1.28 kg/l (DIN EN ISO 2811-1)
Solids Content	~41.3% (by volume)/ ~54.3% (by weight)
Gloss	15-25 gloss units @ 60° (Classified as "mid sheen" to BBSB EN 13300:2001)
Opacity (Contrast Ratio)	>99.5% (standard DFT) (Classified as "class 1" to BS EN 13300:2001)
Resistance to QUV	No appreciable change other than a minor reduction in gloss (ASTM G154-04: 2500 hours QUV-B)
Surface Granularity	<0.01 mm (Classified as "fine" to BS EN 13300:2001)
Specific Gravity	1.28
Scratch Resistance	BS. 3900 Part E2 TB 337/SHN Not penetrated by a load of less than 2,100g.; surface marking evident by loads over 500g.
Freedom from Toxic Elements	Independent tests showed that antimony, arsenic, barium, copper, lead, mercury, nickel and phenol were not detected or only present in trace (naturally occurring) quantities in the cured film. Wet Scrubbing (EN ISO 11998:2006) Loss in coating mass:2.51 g/m ² . Mean loss of film thickness: 1.54 microns (Classified as "Class 1" to BS EN 13300:2001)
Packaging	5 gallon pails
Shelf Life	24 months (when stored under the recommended conditions).
Storage Conditions	50°F (10°C) to 90°F (32°C)

How to Use	All substrates must be sound, clean, dry and free from all contaminants and form release agents. Surface should be checked for soundness and any "hollow" areas should be removed. All depressions or spalled areas and cracks should be properly repaired with the appropriate Sika concrete repair & protection materials. For CMU and poured in place concrete walls that require a parge coat, use Sikagard 121 Plus or Sikagard EpoCem 75, consult data sheet for instructions. Adhere to preparation and application instructions of the repair product used. Existing coated surfaces should be mechanically abraded, remove loose unbonded coatings. A test patch needs to be completed to assure bond. Concrete - Should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface by sand blasting, grinding or equivalent mechanical means. (CSP1-2 as per ICRI guidelines). Surfaces should be thoroughly vacuumed to remove surface dirt and dust. Surface and air temperature must be a minimum of 40°F - 90°F (4°C - 32°C) during installation and cure. Provide sufficient air movement to prevent condensation on surface during installation. After suitable preparation has been completed, mask all surfaces that require protection. If cove base is present, mask appropriately. Make certain all areas are covered that could be damaged by overspray for spray applications. For new drywall, CMU or poured-in-place concrete walls, all Sikagard Hygiene systems can be pre-primed as outlined below. Important note: Pre-prime preparation materials must be pre-approved by Sika Flooring Technical Service.	
Surface Preparation		
Primer	Substrate - New drywall - Concrete masonry unit (cmu) - Poured-in-place concrete	Prep Material Sika Bonding Primer, Bin Primer*† SikaTop 121 Plus, Sikadur Injection Gel, Acrylic Block Filler† Sika Bonding Primer†
	* Ensure complete saturation of drywall substrate to minimize "soak in" of subsequent Sikagard Hygiene coatings. † Consult Sika Technical Service for additional recommendations for block filler or for previously coated substrates.	
System Coverage	Sikagard Hygiene GP: Primer: Refer to primer section for specific application. Base Coat: Roller apply 7 mils of Sikagard 205 W Sterisheen Top Coat: Roller apply 7 mils of Sikagard 205 W Sterisheen	
Mixing	Pre mix the Sika Bonding Primer parts A and B separately using a drill (300-450 rpm) and jiffy blade for 2 minutes. Pre mix the Sikagard 205 W Sterisheen using a drill (300-450 rpm) and jiffy blade for 2 minutes.	
Application	Sika Bonding Primer should be applied using a 3/8" nap roller. Sikagard 205 W Sterisheen should be applied using a 1/4" - 3/8" nap roller. The Sikagard 205 W Sterisheen can also be sprayed. Most types of industrial spray equipment are suitable. Use a tip size of 0.28 to 0.48 mm (11 to 19 thou). Although the product is designed with built in flow, the finer tip sizes provides the smoothest finishes. 1 coat applications with airless spray are only possible on smooth, sealed surfaces when the temperature exceeds 60°F (16°C).	
Cure Mechanism	At a temperature of 70°F (21.1°C), allow the systems to cure a minimum of 72 hours before returning to full service. When over coating adhere to critical recoat times.	
Critical Recoat	Consult specific product data sheets for recoat times.	
Tooling	Roller apply using a 1/4"- 3/8" nap roller cover.	
Limitations	<ul style="list-style-type: none"> ■ Do not apply near foodstuffs in unventilated conditions. Always ensure adequate ventilation. ■ Do not thin or brush out like conventional paints. ■ Do not apply the products below a minimum temperature of 40°F (4°C) or a maximum of 90°F (32°C) throughout the application period. Conditions must remain a minimum of 40°F (4°C) and 5°F (-15°C) above the dew point. ■ Protect from frost, freezing and high heat (above 90°F {32°C}). ■ Product is not suitable for open fibrous insulation. ■ The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking. ■ Good ventilation is required for Sikagard 205 W Sterisheen to dry properly. ■ Gloss is affected by humidity and temperature. ■ Ensure entire surface is fully dried before proceeding. Crazing may occur overcoating undried surfaces or when material is applied in a heavy application. ■ If additional heating is required, do not use gas, oil, paraffin, or other fossil fuel heaters. These methods produce large quantities of carbon dioxide and water vapor, which may adversely affect the finish. Use only electric powered warm air blowers systems. 	



- New concrete should be allowed to cure/hydrate for a minimum of 10 days and preferably 28 days.
- Application by roller may result in a slight texture when using standard coverage rates. If a smoother surface is required, apply 3 thinner coats to produce the same overall DFT.
- If there is any question as to whether or not the product will adhere to an existing coating or surface, a test patch should be applied and evaluated for compatibility and adhesion.
- To recommend UV light stable top coat to Descoglas products.

Caution	CAUTION: IRRITANT. May cause eye/skin/respiratory irritation. May be harmful if swallowed.
First Aid	Eyes – Hold eyelids apart and flush thoroughly with water for 15 minutes. Skin – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. Inhalation – Remove to fresh air. Ingestion – Do not induce vomiting. Dilute with water. Contact a physician. In all cases, contact a physician immediately if symptoms persist.
Handling and Storage	Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse.
Clean Up	Clean brushes and spray equipment with water. Dried Sikagard 307 W Sterisept can be removed with paint stripper, cellulose thinners, xylene or toluene. Use personal protective equipment (chemical resistant gloves/goggles/clothing). Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.
Additional Info	Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on www.sikafloorusa.com . Proper material application is the responsibility of the user. Site visits made by Sika personnel are for making technical recommendations only and not for supervising or providing quality control.

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