



COATING SYSTEMS FOR WALLS AND CEILING IN HYGIENE SENSITIVE AREAS

Sikagard® SELECTION GUIDE

BUILDING TRUST



Sikagard® HYGIENIC COATING SYSTEMS

For hygiene sensitive areas

Sikagard® HYGIENIC COATINGS FOR WALLS AND CEILINGS have been specifically designed to meet both functional and aesthetic needs for facilities where the highest standards of hygiene are required. Frequently used in facilities where health and safety are of utmost importance, such as healthcare, pharmaceutical and food manufacturing facilities the Sikagard® hygienic coatings range meet all relevant health and safety standards and regulations and will help ensure that a building's internal environment can be kept to the highest possible standards of hygiene.

SIMPLE AND EFFECTIVE

Based on over 40 years experience, Sikagard® hygienic coatings are ultra low-emission*, single-component water based wall coatings that are easy to apply by brush, roller or airless spray.

Sikagard® hygienic coating represent one of the simplest and most effective methods of achieving a high performing surface, that is easy to clean, hard-wearing and free from joints, seams and other features that provide a hiding place for dirt and bacteria. This, coupled with the coatings organic in-film preservative, make it the ideal solution for areas where good hygiene is paramount.

DURABILITY AND MAINTENANCE CYCLE

In demanding hygiene environments like operating theatres, standard paints are no match for this range of specifically developed hygienic coatings. Offering far more than traditional paints, Sikagard® hygiene coatings are designed to provide exceptional durability as well as an enhanced resistance to cracking, splitting and flaking. This market leading durability and strength coupled with the fast drying properties of the products, which allow two coats to be applied within 24 hours, dramatically reduces downtime and extends the maintenance cycle, minimising disruption and the related materials, labor and downtime costs.

IMPACT RESISTANCE

For areas that may require enhanced impact resistance the Sikagard® hygiene coatings can be reinforced with Sika® Reemat glass fibre matting. Available in two grades - Sika® Reemat Lite and Sika® Reemat Premium - the mat is easily incorporated into the Sikagard® systems which once cured provide a high performance, seamless finish that is both highly durable and aesthetically pleasing.

COLOR AND FINISH

Available in a wide spectrum of colors and two separate finishes matt and mid-sheen - the Sikagard® hygienic coatings range offers the aesthetic flexibility and design adaptability to match your project needs.

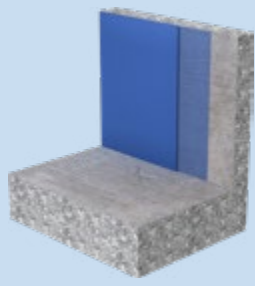
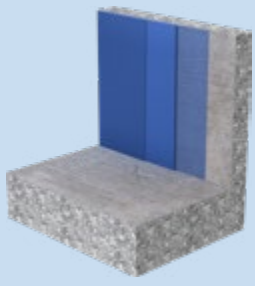
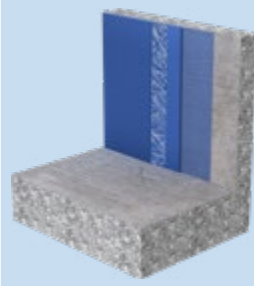
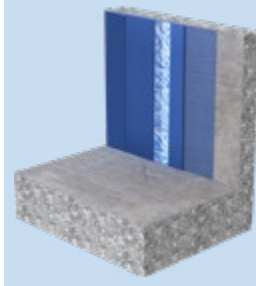
KEY ADVANTAGES

- Ease of detailing
- Ultra low emissions*
- Tough and highly durable
- Resists cracking and flaking
- Seamless - easy to clean
- Good resistance to repeated cleaning regimes, mild detergents and cleaning solutions
- Good water vapor permeability
- Mid Sheen finishes
- Easy application
- Fast drying: two coats in one working day
- Good covering and hiding power (opacity)
- Water based, low odor
- Fibreglass reinforcement options available for increased impact resistance
- Brush, roller or spray applied systems
- Compatible with most common substrates

TYPICAL AREAS OF USE

- Hospital and healthcare facilities (according to Health Building Note: HBN: 00-10, HTM 56 and SHTM 56)
- Food and beverage production
- Pharmaceutical and cosmetics industries
- Leisure facilities
- Chemical and electronics industries
- Agricultural and animal facilities
- Nuclear and other energy industries
- Prison and military facilities

* Tested in accordance with Émissions dans l'air intérieur (Decret DEVL 11019093D) and April 19, 2011 (DEVL 11034875A)

System	Sikagard® Wallcoat AS-11 Hygienic	Sikagard® Wallcoat AS-12 Hygienic	Sikagard® Wallcoat AL-11 Hygienic	Sikagard® Wallcoat AL-12 Hygienic
				
Description	Single component, waterborne, low emitting, acrylic resin wall coating	Single component, waterborne, low emitting, acrylic resin wall coating	Single component, low emitting, reinforced, waterborne, acrylic resin wall coating	Waterborne, low emitting, high impact resistant, acrylic resin based wall coating system
Use	Basic two-coat system used for areas with low impact stress and where aesthetics is not a major issue, i.e. fermentation areas in breweries.	Intermediate three-coat system used for areas with low impact stress and where a regular cleaning regime takes place. The finish can either be mat or mid-sheen.	Advanced reinforced three-coat system used for areas with medium impact stress and where a regular cleaning regime takes place. Prevents the surfaces from spalling and flaking. The finish can either be mat or mid-sheen.	Advanced double reinforced four-coat system used for areas with strong impact stress and where a regular cleaning regime takes place, i.e. corridors in hospitals. Prevents the surfaces from spalling and flaking. The finish can either be mat or mid-sheen.
Nominal thickness Layers	200 – 250 µm 2	250 – 300 µm 3	250 – 300 µm 3	400 – 500 µm 4
Characteristics	<ul style="list-style-type: none"> ■ Seamless, easy to clean finish ■ Very low emission of VOC ■ Good resistance to repeated cleaning regimes using mild detergents and cleaning solutions ■ No degradation of the film caused by bacteria, fungi, mould, yeast and algae ■ Tough and highly durable ■ Good water vapor permeability ■ More flexible in comparison to standard acrylic systems, improves the resistance to cracking and flaking ■ Solvent free ■ Good opacity ■ Odorless ■ Easy to apply 	<ul style="list-style-type: none"> ■ Seamless, easy to clean finish ■ Mid-sheen or matt finish, depending on the top coat used ■ Very low emission of VOC ■ Good resistance to repeated cleaning regimes using mild detergents and cleaning solutions ■ No degradation of the film caused by bacteria, fungi, mould, yeast and algae ■ Tough and highly durable ■ Good water vapor permeability ■ More flexible in comparison to standard acrylic systems, improves the resistance to cracking and flaking ■ Solvent free ■ Good opacity ■ Odorless ■ Easy to apply 	<ul style="list-style-type: none"> ■ Seamless, easy to clean finish ■ Very low emission of VOC ■ Good resistance to repeated cleaning regimes using mild detergents and cleaning solutions ■ No degradation of the film caused by bacteria, fungi, mould, yeast and algae ■ Tough and highly durable ■ Good water vapor permeability ■ Medium crack bridging properties due to glass fibre reinforcement ■ Solvent free ■ Good opacity ■ Odorless ■ Easy to apply 	<ul style="list-style-type: none"> ■ Seamless, easy to clean finish ■ Very low emission of VOC ■ Excellent resistance to repeated cleaning regimes using mild detergents and cleaning solutions ■ Tough and highly durable ■ Excellent impact resistance ■ Crack bridging, improved resistance to cracking and flaking ■ Solvent free ■ Good opacity ■ Odorless ■ Easy to apply
System Components	Sikagard®-403 W + 5% water Sikagard®-403 W	Sikagard®-403 W + 5% by weight water Sikagard®-403 W Sikagard®-405 W or Sikagard®-406 W or Sikagard®-207 W	Sikagard®-403 W + 5% water Sikagard®-403 W + embedment of Sika® Reemat lite Sikagard®-405 W or Sikagard®-406 W or Sikagard®-207 W	Sikagard®-403 W + 5% water by weight Sikagard®-403 W + Reemat Premium Sikagard®-403 W + Reemat Lite 1-2 × Sikagard®-405 W or 1-2 × Sikagard®-406 W or 1-2 × Sikagard®-207 W

HYGIENIC COATING PRODUCTS

System components



Products	Description
Sikagard®-403 W	Sikagard®-403 W is highly flexible, in comparison to standard paints, providing enhanced resistance to cracking and flaking. It is a tough, highly durable, single component, waterborne, modified acrylic resin based coating that cures to form a high build, hard wearing membrane. Eminently versatile, this product has a dead matt finish and can be used as an embedment, intermediate or a finishing top coat.
Sikagard®-405 W	Sikagard®-405 W is a single component, waterborne, acrylic resin based surface coating that contains an organic in-film preservative. It is as easy to apply as regular emulsion and cures without any strong odor to form an attractive, low-glare finish that combines decorative properties with ease of cleaning.
Sikagard®-406 W	Similar to Sikagard®-405 W, Sikagard®-406 W is also a single component, waterborne, acrylic resin based surface coating that contains an organic in-film preservative. As easy to apply as regular emulsion it and cures without any strong odor to form an attractive, matt finish that combines decorative properties with ease of cleaning.
Sikagard®-207 W (Biosheen)	This single component, waterborne, modified acrylic resin based surface coating for walls and ceilings, contains an organic in-film preservative. With a mid-sheen finish, it is ideal for use in domestic situations or for providing basic hygiene protection of large areas.

Sika also supply a range of sealants compatible with the Sikagard® Hygiene Coatings. For more information please contact your local Sika organization.



SELECTION GUIDE

System	Area	Sikagard® Wallcoat AS-11 Hygienic	Sikagard® Wallcoat AS-12 Hygienic	Sikagard® Wallcoat AL-11 Hygienic	Sikagard® Wallcoat AL-12 Hygienic
Healthcare	Operation theater	X	X	X	
	X-Ray room	X	X		
	Post mortem room		X	X	
	Antiseptic suite			X	X
	Wet, i.e. bathroom / shower				X
HBN:00-10 Part B	Clinical-wet, i.e. dirty utility			X	X
	Non clinical-wet, i.e. shower			X	X
	Non clinical-wet, low impact, i.e. cleaners room	X	X		
	Non clinical-dry, i.e. offices stores	X	X		
	Heavy traffic, i.e. corridors, lobbies, stairs			X	X
	Preparation and processing		X	X	
	Storage and service areas	X	X		
Food & Beverage	Refrigeration (not < 5°C)	X	X		
	Kitchen, canteen		X	X	X
	Corridors			X	X
Pharmaceutical	Laboratories	X	X	X	X
	Workshop, production areas		X	X	X
	Storage	X	X		
Leisure	Swimming pool areas		X	X	
	Gyms		X	X	
	Changing rooms		X	X	
	Washrooms			X	X
General	Prison rooms			X	X
	Splashbacks, continually wet areas			X	X
	Impact areas			X	X
	General areas		X	X	
Ceilings		X			

PRODUCT CONSUMPTION

System	Layer	Primer/Base coat	Intermediate layer	Intermediate layer	Top coat
Sikagard® Wallcoat AS-11 Hygienic	Product	Sikagard®-403 W +5% by weight water			Sikagard®-403 W
	Consumption	~0.25 kg/m ² per layer ~0.19 l/m ² per layer			~0.25 kg/m ² per layer ~0.19 l/m ² per layer
Sikagard® Wallcoat AS-12 Hygienic	Product	Sikagard®-403 W +5% by weight water	Sikagard®-403 W		Sikagard®-405 W or Sikagard®-406 W or Sikagard®-207 W
	Consumption	~0.25 kg/m ² per layer	~0.25 kg/m ² per layer		~0.15 kg/m ² per layer
Sikagard® Wallcoat AL-11 Hygienic	Product	Sikagard®-403 W +5% by weight water	Sikagard®-403 W + embedment of Sika® Reemat lite		Sikagard®-405 W or Sikagard®-406 W or Sikagard®-207 W
	Consumption	~0.20 kg/m ²	~0.20 kg/m ²		~0.15 kg/m ² per layer
Sikagard® Wallcoat AL-12 Hygienic	Product	Sikagard®-403 W +5% by weight water	Sikagard®-403 W + Reemat Premium	Sikagard®-403 W + Reemat lite	Sikagard®-405 W or Sikagard®-406 W or Sikagard®-207 W
	Consumption	~0.20 kg/m ²	~0.80 kg/m ²	~0.40 kg/m ²	~0.20 kg/m ²



SUSTAINABILITY IN SIKA SOLUTIONS

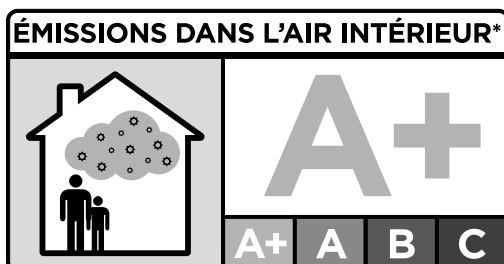
MORE VALUE, LESS IMPACT

Sika is dedicated to sustainable development, assuming responsibility to provide sustainable solutions in order to improve material, water and energy efficiency in construction and transportation. The company is committed to continuously measure, improve, report and communicate sustainable value creation. "More value, less impact" refers to Sika's commitment to maximize the value of the company's solutions and contributions to all stakeholders, while reducing risks and resource consumption along the whole supply chain and throughout the life span of its products. This is reflected in Sika's six strategic targets which focus on economic performance, sustainable solutions, local communities/society, energy, water/waste and occupational safety and are in line with the G4 of the Global Reporting Initiative (GRI G4). Further to this most companies within the Sika Group have been certified to ISO 9001, ISO 14001 & OHSAS 18001.



ULTRA LOW EMISSIONS

Good indoor air quality is vital, and can have a significant impact on health and resulting productivity. Building occupants can be exposed to a range of airborne pollutants, including chemicals, microorganisms and other particles from a variety of sources such as carpets, finishes, cleaning products, office equipment, etc.. The various health implications associated with poor indoor air have been the subject of research for a long time and are well established. Design strategies that ensure good air quality, both by allowing a supply of fresh air through ventilation and stopping pollutants at source by minimising emissions from materials, are essential for a healthy and productive working environment. With over 97% reduction in VOCs, Sikagard®-403 W, -405 W and -406 W have an A+ rating, according to the Émissions dans l'air intérieur* labelling scheme, which is significantly ahead of any Europe-wide requirements.



Information représentative des émissions dans l'air intérieur des substances volatiles présentant un risque de toxicité par inhalation, sur une échelle de classe allant de C (fortes émissions) à A+ (très faibles émissions).

SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:



LIQUID APPLIED ROOFING



SINGLE PLY ROOFING



CONCRETE



CONCRETE REPAIR



STRUCTURAL STRENGTHENING



WATERPROOFING



JOINT SEALING



FAÇADE STRUCTURAL ADHESIVES



FLOORING



INDUSTRY



DISTRIBUTION



BUILDING TRUST

FOR MORE INFORMATION:



WHO WE ARE

Sika Limited and Sika Ireland Limited are part of the global Sika Group, specialising in the manufacture and supply of chemical based products. Sika have a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing, and protecting in the building sector and the motor vehicle industry. Sika has subsidiaries in 101 countries around the world and manufactures in over 200 factories. With more than 20,000 employees Sika generates annual sales of CHF 7.09 billion (£5.45bn). We are also committed to providing quality, service, safety and environmental care.

In the UK and Ireland, we provide market-leading solutions for concrete, waterproofing, roofing, flooring, refurbishment, sealing & bonding, and industry, and have manufacturing sites in Welwyn Garden City, Preston, Leeds and Dublin with more than 870 employees and a turnover of more than £260 million.

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 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 proprietary rights of third parties must be observed. Please refer to our homepage www.sika.co.uk for our current standard terms & conditions applicable to all orders. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.



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