

SYSTEM DATA SHEET

Sikagard® Wallcoat PL-14

WATERBORNE, LOW EMITTING, REINFORCED WALL-COATING SYSTEM WITH A 2-COMPONENT WATERBORNE UV RESISTANT TOP COAT

DESCRIPTION

Sikagard® Wallcoat PL-14 is a wall-coating system based on waterborne technology, combined of an acrylic primer and glass fibre reinforced base coat with an easy to clean 2-component waterborne PU top coat.

USES

Sikagard® Wallcoat PL-14 may only be used by experienced professionals.

- Application on concrete, bricks, cement and gypsum based substrates, metal surfaces, timber, tiles and plastic
- Suitable for production facilities in the food and beverage industry, pharmaceutical industry, medical engineering, hospitals, prisons, healthcare and leisure facilities.

CHARACTERISTICS / ADVANTAGES

- Seamless, easy to clean finish
- Good UV and yellowing resistance
- Very low emission of VOC
- Excellent resistance to repeated cleaning regimes using mild detergents and cleaning solutions
- Tough and highly durable, medium impact resistance
- More flexible in comparison to standard acrylic systems, improved resistance to cracking and flaking
- Solvent free
- Good opacity
- Odourless
- Easy to apply

SUSTAINABILITY

- Conformity with LEED v2009 IEQc 4.2: Low-Emitting Materials - Paints and Coatings
- VOC Emission certificate according to AgBB und DIBt approval requirements, Eurofins test report 770029A, for Sikafloor®-305 W
- VOC Emission certificate according to French regulation Decret DEVL 110334675A, Eurofins, test report 392-2014-00270301, for Sikagard®-403 W

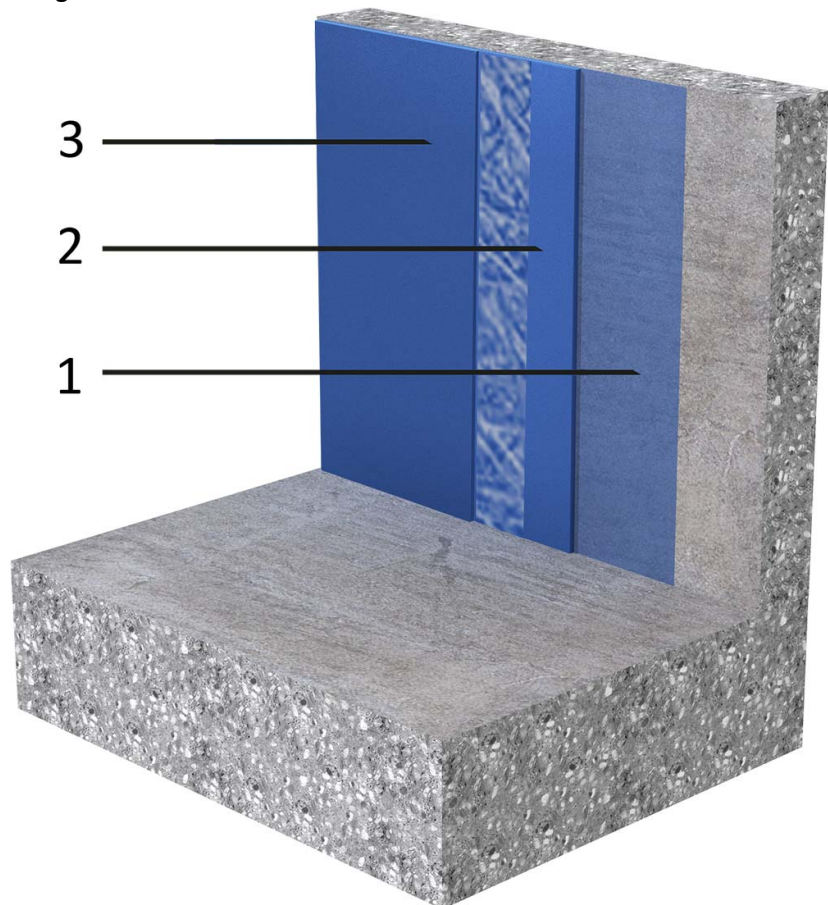
APPROVALS / STANDARDS

- ILF, test report 14072, wet scrub resistance acc. EN ISO 11998, for top coat Sikafloor®-305 W
- Hohenstein Laboratories, test report 10.8.3-0058-10, determination of antibacterial activity acc. ISO 22196, for top coat Sikafloor®-305
- IPA, test report SI 1008-533, biological resistance acc. ISO 846, for top coat Sikafloor®-305 W

SYSTEMS

System Structure

Sikagard® Wallcoat PL-14



Layer	Product
1. Primer/ Base coat	1 × Sikagard®-403 W + 5 % water by weight
2. Intermediate coat	1 × Sikagard®-403 W + Sika® Reemat Lite
3. Top Coat	1–2 × Sikafloor®-305 W

Chemical base	Product
Sikagard®-403 W	Acrylic-Copolymer Dispersion, waterborne
Sikafloor®-305 W	2-component Polyurethane, waterborne

Appearance	matt	
Colour	RAL and NCS colours on request, see section "Limitations"	
Nominal Thickness	250–300 µm	

TECHNICAL INFORMATION

Chemical Resistance	<p>Good chemical resistance to weak acids, alkalis, cleaning agents and disinfectants. Contact Sika Technical Service for specific information.</p> <p>Disinfection with vaporised Hydrogen Peroxide</p> <ul style="list-style-type: none"> ▪ Resistant when using STERIS VHP Technology ▪ Resistant to PEA vaporisation technology up to max. 8 hours
Microbiological Resistance	<p>Excellent (ISO 846)</p>

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	1. Primer	Sikagard®-403 W + 5 % water	~0.20 kg/m ²
	2. Intermediate	Sikagard®-403 W + Sika® Reemat Lite	~0.40 kg/m ²
	3. Top Coat	Sikafloor®-305 W	~0.15 kg/m ²
Primer and intermediate coat are applied wet in wet.			
Product Temperature	+10 °C min/ +30 °C max		
Ambient Air Temperature	+10 °C min. / +35 °C max.		
Relative Air Humidity	≤ 75 %		
Dew Point	Beware of condensation! The substrate temperature and uncured material must be min 3 °C above dew point to reduce risk of condensation		
Substrate Temperature	+10 °C min./ +30 °C max.		
Substrate Moisture Content	max. 6 % acc. Sika Tramex Meter max. 4 % acc. CM method		
Waiting Time / Overcoating	see Product Data Sheet Sikagard®-403 W		
Applied Product Ready for Use	See Product Data Sheet Sikafloor®-305 W		

PRODUCT INFORMATION

Packaging	see Product Data Sheet
Shelf life	see Product Data Sheet
Storage conditions	see Product Data Sheet

MAINTENANCE

In case the surface of the coating system has picked up too much dirt and can't be cleaned properly it shall be maintained. Same will be necessary when the top coat has been contaminated by liquids penetrating into the surface. The maintenance of the system can easily be done by slightly grinding the surface and recoating with one or two layers of the relevant top coat.

CLEANING

The top coat of the system is tested in according to EN 11998:2006, wet scrub resistance. According to EN 13300 the product is classified in class 1. The surface can be cleaned with a wet sponge, using mild detergents, and washed with clean water.

LIMITATIONS

- First mix part A and B of Sikafloor®-305 W properly. Then add 5 % to 7 % water to the mix and stir again for 1 minute. Wait one minute and stir again for 1 minute.
- The amount of water added must be exactly the same for every mix, otherwise colour shade and texture of the top coat may vary slightly.
- The freshly applied system must be protected from damp, condensation and liquid water for at least 24 hours.

- Always ensure adequate fresh air ventilation during application and curing time.
- With critical colour shades (i.e. yellow, orange, red) the application of multiple layers may be necessary to ensure sufficient opacity.
- The incorrect assessment and treatment of cracks may lead to a reduced service life time and reflective cracking.
- If exact colour matching is required ensure that in each area material from the same control batch number is used.
- Each type of roller will give a slightly different surface texture. Always use same roller type in same areas.
- Ensure that the previous layer is fully cured before overcoating.
- Cracking may occur when overcoating non-dried areas.
- Acoustic insulation boards may lose some acoustic absorption properties when coated.

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. 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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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.

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