

## SYSTEM DATA SHEET

# Sikagard® Wallcoat PS-12

WATERBORNE, LOW EMITTING, UV RESISTANT WALL COATING SYSTEM



## DESCRIPTION

Sikagard® Wallcoat PS-12 is a wall-coating system based on waterborne technology, combined of a 2-component epoxy resin base coat with an easy to clean 2-component waterborne PU top coat.

## USES

Sikagard® Wallcoat PS-12 may only be used by experienced professionals.

- Walls and ceilings in trafficked tunnels

## CHARACTERISTICS / ADVANTAGES

- Easy to clean
- Good UV and yellowing resistance
- Easy to apply, also by airless spray
- Low odour
- Low VOC/ AMC emissions

## SUSTAINABILITY

Conformity with LEED v2009 IEQc 4.2: Low-Emitting Materials - Paints and Coatings

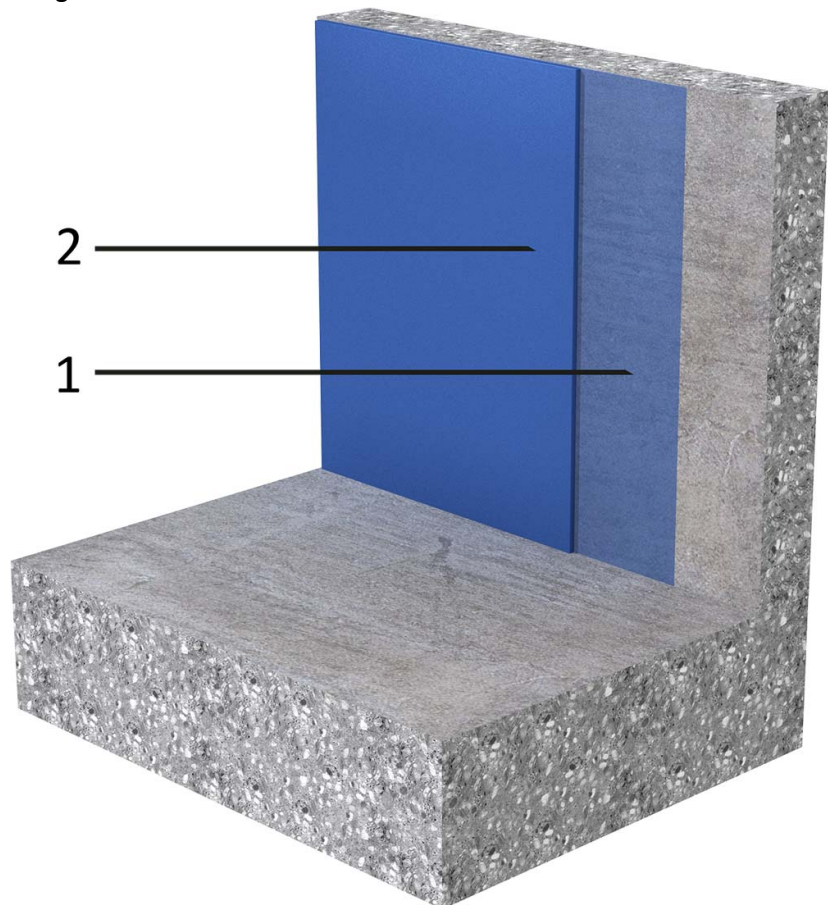
## APPROVALS / STANDARDS

- Wet scrub resistance acc. EN ISO 11998, ILF Magdeburg, test report 1-032/11
- Reaction to fire, classification acc. EN 13501-1, Prüfinstitut Hoch, classification report KB-Hoch-110205
- Reaction to fire, classification acc. DIN 4102, Prüfinstitut Hoch, classification report KB-Hoch-110199
- Coating for surface protection of concrete according to EN 1504-2:2004, Declaration of Performance and CE-marking

# SYSTEMS

## System Structure

## Sikagard® Wallcoat PS-12



Layer	Product
1. Primer	Sikagard® Wallcoat T + 5% water
2. Top Coat	Sikagard®-260 WPU

<b>Chemical base</b>	Sikagard® Wallcoat T Sikagard®-260 WPU	2-C epoxy resin, waterborne 2-C PU resin, waterborne
<b>Appearance</b>	matt	
<b>Colour</b>	approx. RAL 9010, white others on request	

## TECHNICAL INFORMATION

<b>Tensile Adhesion Strength</b>	≥ 1 N/mm <sup>2</sup>	
<b>Reaction to Fire</b>	B-s1, d0 B1	(EN 13501-1) (DIN 4102-1)
<b>Permeability to Water Vapour</b>	Class 1, Sd < 5 m	(EN ISO 7783-1/ -2)

## APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	1. Primer	Sikagard® Wallcoat T	0.20 kg/m <sup>2</sup>
	2. Top Coat	Sikagard®-260 WPU	0.18 kg/m <sup>2</sup>
<b>Ambient Air Temperature</b>	+8 °C min. / +35 °C max.		
<b>Relative Air Humidity</b>	≤ 80 %		

<b>Dew Point</b>	Beware of condensation! The substrate temperature and uncured material must be min 3 °C above dew point to reduce risk of condensation
<b>Substrate Temperature</b>	+8 °C min / +35 °C max.
<b>Substrate Moisture Content</b>	<ul style="list-style-type: none"> <li>▪ max. 6 % acc. Sika Tramex Meter</li> <li>▪ max. 4 % acc. CM method</li> </ul>
<b>Waiting Time / Overcoating</b>	see Product Data Sheet Sikagard® Wallcoat T

## PRODUCT INFORMATION

<b>Packaging</b>	see Product Data Sheet
<b>Shelf life</b>	see Product Data Sheet
<b>Storage conditions</b>	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

- Mix part A and B of Sikagard®-260 WPU properly at least for 3 minutes, transfer the mixture in clean container and mix again for 1 minute.
- Freshly applied system shall 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 tape in same areas. Short piled rollers are recommended.
- Ensure the previous layer is fully cured before overcoating.
- Cracking may occur when overcoating insufficiently 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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