

BUILDING TRUST

PRODUCT DATA SHEET Sika[®] Permacor[®]-3326 EG H

Very high solid epoxy coating for steel and concrete

PRODUCT DESCRIPTION	Sika Permacor-3326 EG H is a log for steel and concrete. The coat abrasion and impact resistance.	w solvent containing 2-pack epoxy coating ting has high physical strength, with good			
	Crack bridging capability up to 51	mm (laminate system).			
USES	Sika Permacor-3326 EG H is ideally suited for the corrosion protection of steel and concrete surfaces exposed to various media.				
	The principal use of Sika Permacor-3326 EG H is the internal lining of sludge digesters, composting vessels, and process water-, waste water-, and chemical storage tanks, as well as cooling water pipelines and biogas plants.				
	Sika Permacor-3326 EG H is also for use in industrial environment as an external coating for tanks apparatus.	suitable as a robust anti-corrosive coating s, e.g. for pipe bridges, bottling plants, and and pipes, machinery and other pieces of			
PROPERTIES	 High chemical resistance to water, aggressive effluents and waste water and a wide range of chemicals, particularly salt solutions and to acids occurring in biological processes High diffusion resistance Very good adhesion to steel and mineral surfaces Crack bridging capability up to 3 mm (laminate system) Reliable application due to the ability to check for pores in the coating 				
PRODUCT DATA					
COLOUR SHADES	Pebble grey approx. RAL 7032 and green approx. DB 601				
FINISH	Mat				
PACKAGING	Sika Permacor-3326 EG H: Sika Thinner E + B: SikaCor Cleaner:	16 kg net. 5 and 25 litres 25 and 160 litres			
	In originally soaled containers in	a cool and dry environment 2 years			

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SYSTEMS

COATING SYSTEMS	Steel:					
	2 - 3 x Sika Permacor-3326 EG H					
	Concrete:	Concrete:				
	 <u>1. Rigid coating structure:</u> Surface preparation by blast cleaning etc. Surface filler Icoment-520 mortar Fine surface filler Icoment-520 mortar Primer and base coat Sikagard-177 Broadcast quartz sand (0.1 – 0.3 mm) Top coats 3 x Sika Permacor-3326 EG H 	approx. 1200 g/m² approx. 1800 g/m² approx. 400 - 600 g/m² approx. 800 - 1000 g/m² approx. 420 g/m² per coat				
	 2. Crack-bridging coating structure: Surface preparation by blast cleaning etc. Surface filler Icoment-520 mortar Fine surface filler Icoment-520 mortar Primer and base coat Sikagard-177 Sika Betonol special fabric (300 g/m², not inclusion) Embedding layer Sikagard-177 Top coats 3 x Sika Permacor-3326 EG H 	approx. 1200 g/m ² approx. 1800 g/m ² approx. 600 - 800 g/m ² uding laps) approx. 800 - 1000 g/m ² approx. 420 g/m ² per coat				
	Note: If there is a possibility of moisture penetration behind the system, the Icoment-520 fine surface filler must be replaced by the Epoxy Cement Combination (ECC) based Sikagard-720 EpoCem mortar. The actual con- sumption of all materials is dependent on the surface profile, characteris- tics and application method. The average dry film thickness must be min. 500 μm for the Sika Permacor-3326 EG H top coat, in accordance with the 'tank resistance list'.					
SURFACE PREPARATION	<u>Steel:</u> Blast-cleaning to Sa 2 ½ according to EN ISO 12 Free from dirt, oil and grease. Average roughne	<u>Steel:</u> Blast-cleaning to Sa 2 ½ according to EN ISO 12944, part 4. Free from dirt, oil and grease. Average roughness depth R _z ≥ 50 microns				
	<u>Concrete:</u> Surfaces to be coated must meet recognised b load-bearing and free from contaminants det adhesion strength in accordance with > 1.5 N/mm ² on average with the lowest rea For areas subject to heavy mechanical loading > 2.0 N/mm ² and the lowest reading no less th compatible undercoats and observe recommer	uilding standards, i.e. be solid, rimental to adhesion. Pull-off n DIN 1048 should be ding no less than 1.0 N/mm ² . g, the average value should be nan 1.5 N/mm ² . Apply suitable nded overcoating intervals.				

TECHNICAL DATA

MATERIAL CONSUMPTION

Product	Specific gravity liquid	Solids content approx. %		Theoret coverage	ical materi without lo film thick	al-consump ss for medi ness of	otion/ um dry
	approx. kg/L	by vol.	by weight	dry microns	wet microns	approx. kg/m²	approx. m²/kg
Sika Permacor- 3326 EG H	1.90	75	88	250	330	0.633	1.58

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MIXING RATIO			
(COMPONENTS A : B)			
By weight	100 : 23		
By volume	100 : 26		
RESISTANCE	CHEMICAL RESIS Upon request TEMPERATURE F	TANCE RESISTANCE	
POROSITY TEST	With a suitable HV20D with flat coating thickness	high-voltage tester, e.g. Fischer-POROSCOPE® H2D, H8D or electrode (rubber tongue). Test voltage 5 Volt per micron s.	
HINTS OF APPLICATION			
MIXING INSTRUCTIONS/ MIXING TIME	Stir component increase up to a components ver Mix for at leas Fill mixed mater above. During m goggles, suitable	A very thoroughly using an electric mixer (start slowly, then pprox. 300 rpm). Add component B carefully and mix both y thoroughly (including sides and bottom of the container). It 3 minutes until a homogeneous mixture is achieved. ial into clean container and mix again shortly as described hixing and handling of the materials always wear protective gloves and other protective clothings.	
APPLICATION METHOD	The method of a and appearance dry film thickn Adding solvents In case of applica necessary to ach construction, sin operations a tes application meth	pplication has a major effect on achieving uniform thickness . Spray application will give the best results. The indicated ess is easily achieved by airless spray and by brush. reduces the sag resistance and the dry film thickness. ation by roller or brush, additional applications may become nieve the required coating thickness, depending on type of the conditions, colour shade etc. Prior to major coating t application on site may be useful to ensure the selected nod will provide the requested results.	
	By brush or rolle Dry film thicknes Possibly an addi film thickness.	r: as of approx. 150 microns per layer is achievable. tional layer may become necessary to achieve the total dry	
	Airless-spraying: Efficient airless e Spray pressure in Remove sieves Nozzle size ≥ 0.3 Diameter of hose Temperature of	equipment. n gun of min. 180 bar 8 mm (≥ 0.015 inch); spraying angle approx. 50°; es min. 8 mm (¾ inch) material min. + 15°C	
APPLICATION CONDITIONS	Min. + 10 °C (ma	terial and surface)	
	Relative humidit temperature is s be at least 3 K ak	ry: Max. 85 %, max 80% in containers, except the surface significantly higher than the dew point temperature, it shall bove dew point.	
	If necessary max	. 5% Sika Thinner E+B may be added to adapt the viscosity.	
SUBSTRATE HUMIDITY	Max. 4% (CM-me	easuring)	
POTLIFE	At + 20°C: At + 30°C:	Approx. 90 minutes Approx. 45 minutes	

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WAITING TIME BETWEEN COATS	Min.: 12 hours (+ 20°C) <u>Coating used as lining:</u> Max. 48 hours (+ 20°C)
	In case of longer waiting times the surface must be activated by sweep blasting.
OVERCOATING	With itself. <u>For exposure to corrosive atmospheric conditions, also:</u> With Sika Permacor-2230 VHS or Sika Permacor-2330. Other products - refer to Sika.
FINAL DRYING TIME	Full mechanical and chemical resistance after 7 days at + 20°C.
THINNER	Sika Thinner E + B
CLEANING OF EQUIPMENT	SikaCor Cleaner
IMPORTANT NOTICE	

CE-MARKING DIN EN 1504-2	The harmonized European Standard EN 1504-2 "Products and systems for the protection and repair of concrete structures – Definitions, require- ments, quality, control and evaluation of conformity – Part 2: Surface protection systems for concrete gives specifications for products and systems based on methods "hydrophobic impregnation", "impregnation" and "coating".	
	Products acc. EN 1504-2 used as flooring systems with mechanical loads also must fulfil EN 13813.	
VALUE BASE	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.	
HEALTH AND SAFETY INFORMATION	GISCODE: RE 5	
	This coding enables additional information and help with the creation of operating instructions (WINGIS online) to be obtained on the BG Bau service pages (www.gisbau.de).	
	Skin contact with epoxy resins can lead to allergies!	
	Avoid direct skin contact at all costs when handling epoxy resins!	
	For the selection of suitable protective equipment, we have made our information data sheets 7510 'General notes on occupational safety' and 7511 'General notes for wearing protective gloves' available at www.sika.de. In conjunction with this we also recommend the BG Bau service pages for information regarding the handling of epoxy resins (www.gisbau.de/service/epoxi/epoxi.htm).	
	Information on the safe handling of chemical products, as well as the essen- tial physical, safety-related, toxicological and ecological data can be found in the current safety data sheets. Observe all relevant regulations, e.g. the hazardous substances act. Further notes and information data sheets on product safety and disposal can be found on the Internet at www.sika.de.	

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The information, and, in particular, the recommendations relating to the application and enduse 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. The most recent product data sheet applies. This can be requested from us or is available to download at www.sika.de. Please check availability of local product data sheet at your local website. In cases of doubt the German text is valid.

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