

PRODUCT DATA SHEET

Sikafloor®-2200 ADH

High strength, non-flow, epoxy bedding and repair mortar

DESCRIPTION

Sikafloor®-2200 ADH is a two component, non-sag epoxy resin based repair mortar, developed to be used with Sikafloor® range of products. It is fine aggregate filled, fast curing material, ideal for a variety of bedding, static crack filling and concrete repair applications.

Sikafloor®-2200 ADH is stiff, but easily workable compound. It does not shrink while curing and has high mechanical properties. It is resistant to oils, greases, petroleum, salts, many acids and alkalis and most commonly met corrosive media.

Suitable for use in hot and tropical climatic conditions.

USES

Sikafloor®-2200 ADH may only be used by experienced professionals.

- Repairing concrete surface defects in horizontal or vertical areas
- Repairing of honeycombing concrete
- Joint arris repair and crack sealing
- Corners and edges
- Gap and void filling
- For surface repairs of fine cracks and spalls.
- For filling of pinholes and surface irregularities in concrete prior to the application of subsequent floor coatings

FEATURES

- High strength
- Thixotropic: non-sag in vertical applications
- Easy to mix and apply
- Impermeable to liquids and water vapour
- Very good adhesion to most construction materials
- Hardens without shrinkage
- Resin-rich for easy application
- Impact resistant
- Good abrasion resistance
- Good chemical resistance
- Trowels to a smooth finish
- No primer required
- Sikafloor®-2200 ADH can be overcoated with various resin based products from Sikafloor® or Sikagard® range.

PRODUCT INFORMATION

Composition	Epoxy resin filled with fine aggregates
Packaging	Total 7.5 kg pre-weighed units (Part A + Part B)
Shelf life	12 months from date of production
Storage conditions	Store in original, unopened, sealed and undamaged packaging in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight, heat and moisture.
Colour	Cement grey
Density	~1,77 kg/l (at 25°C)

TECHNICAL INFORMATION

Compressive strength	≥ 60 MPa (cured at 40°C)	(ASTM C579)
Tensile adhesion strength	Adhesion to concrete is higher than its cohesive strength	
Chemical resistance	Sikafloor®-2200 ADH has very good resistance to the following: most aqueous systems, sewage, urine, fresh water, sea water, diluted and concentrated alkalis, diluted acids, sulphur gases, mineral, vegetable and animal oils and fats, ammonia and formaldehyde.	

APPLICATION INFORMATION

Consumption	As a guide: 1. ~1.77 kg/m ² per mm of thickness. 2. 7.5 kg unit is sufficient to cover ~2.8 m ² at 1.5 mm thickness. Note: These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level or wastage, etc.							
Layer thickness	5 mm max.							
Ambient air temperature	+5°C min. / +45°C max.							
Pot Life	<table><thead><tr><th>Temperature</th><th>Pot Life</th></tr></thead><tbody><tr><td>+25°C</td><td>≤ 70 min</td></tr><tr><td>+40°C</td><td>< 35 min</td></tr></tbody></table>	Temperature	Pot Life	+25°C	≤ 70 min	+40°C	< 35 min	
Temperature	Pot Life							
+25°C	≤ 70 min							
+40°C	< 35 min							
	Note: The potlife begins when the resin and hardener are mixed. It is shorter at high temperatures and longer at low temperatures. The greater the quantity mixed, the shorter the potlife. To obtain longer workability at high temperatures, the mixed adhesive may be divided into portions. Another method is to chill components A and B before mixing them (not below +5°C).							
Tack free time	<table><tbody><tr><td>at +25°C</td><td>~7 h</td></tr><tr><td>at +40°C</td><td>~2 h 15 min</td></tr></tbody></table>	at +25°C	~7 h	at +40°C	~2 h 15 min			
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	Note: Times are approximate and will be affected by changes in ambient conditions, particularly temperature and relative humidity.							

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Do not apply on bitumen or asphalt.
- Do not add solvent, water, fillers or any other ingredients.
- Do not apply on polyethylene, polypropylene, or PTFE.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Substrates must be sound, dry, clean and free from laitance, ice, standing water, grease, oils, etc. Old surface treatments or coatings and all loose or friable particles must be removed to achieve a laitance and contaminant free, open textured surface. Avoid dew point conditions.

MIXING

The 7.5 kg pack has been designed to be readily mixed by trowel. Where more than one pack is to be mixed at a time, a slow speed mixing drill and sealant paddle is suitable. Mix until a smooth streak free consistency is achieved. Avoid aeration while mixing. Mix only the quantity which can be used within product pot life.

APPLICATION

Apply Sikafloor®-2200 ADH by spatula or trowel to the required level, using the minimum of solvent on the trowel to aid workability. The surface may be finished smooth by use of a paint brush dipped in a suitable thinner (Xylene / MEK / Acetone). Where a very deep recess is to be filled, it may be necessary to build up in layers. Repairs may be camouflaged if required by covering surface with cement powder before full cure is affected.

CLEANING OF EQUIPMENT

Clean with a suitable thinner (Xylene / MEK / Acetone) immediately after use. Hardened / cured material can only be mechanically removed.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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ISO 9001, 14001, 45001 – SGS
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- Master Builders Solutions LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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July 2024, Version 03.01

020811020020000337