

PRODUCT DATA SHEET

Sikafloor®-2200

(formerly MTop 2200)

High strength epoxy repair filler for horizontal cracks and minor repairs in concrete substrates

DESCRIPTION

Sikafloor®-2200 is an epoxy filler compound. It is a two component, fine aggregate filled, fast curing material, ideal for minor horizontal concrete repair applications. Sikafloor®-2200 is an easily workable filler compound that can be applied by either trowel, spatula or knife. It cures to give high mechanical properties typical of epoxy compounds. It is resistant to oils, greases, petroleum, salts, many acids and alkalis and most commonly met corrosive media. It does not shrink on curing, its impact resistance and mechanical strength is greater than that of concrete.

USES

For surface repairs of fine cracks and spalls to horizontal concrete floor deck substrates in car parks and other flooring applications.

- Repairing surface defects such as blowholes and pin holes in concrete floors
- Dowel bars anchoring

FEATURES

- High strength
- Strong adhesion
- Impact resistant
- Chemical resistant
- Non shrink
- Trowels to a smooth finish
- Easy to use
- Supplied in pre-weighed units
- No bonding agent or primer required

PRODUCT INFORMATION

Packaging	7.5 kg units
Shelf life	12 months from date of production
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight, heat and moisture.
Colour	Cement grey
Density	~1.7 kg/l (Mixed density at 25°C)

TECHNICAL INFORMATION

Compressive strength	≥ 80 MPa (Cured 7 days at 40°C)	(ASTM C579)
Flexural-strength	≥ 25 MPa (at 40°C)	(ASTM C580)
Tensile adhesion strength	≥ 2.5 N/mm ² (or concrete failure)	(ASTM D4541 / BS 1881, Part 207)
Service temperature	Sikafloor®-2200 is designed to be used when cured from below freezing point to 60°C. Note: Sikafloor®-2200 will cure at temperatures as low as 0°C, although at low temperatures cure is retarded.	
Chemical resistance	Sikafloor®-2200 has excellent resistance to the following: Most aqueous solutions, 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: 7.5 kg unit is sufficient to cover ~4.4 m ² at 1 mm thickness. This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level or wastage etc.	
Pot Life	At 25°C	~70 min.
	At 40°C	30 - 40 min.
Tack free time	At 25°C	~7 h
	At 40°C	~2 h 15 min.

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.
- Internal Reference - Version: MBS_CC-UAE/Top_2200_07_09/v2/08_15/v3/09_19/v4/03_20

IMPORTANT CONSIDERATIONS

- Not intended for application on vertical or overhead areas.
- Do not apply on bitumen or asphalt.
- Do not add any 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 QUALITY / PRE-TREATMENT

- The substrate must be clean and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

MIXING

The 7.5 kg pack has been designed to be readily mixed by trowel at the ratio of 2 parts base to 1-part hardener. 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.

APPLICATION

Apply Sikafloor®-2200 by knife or trowel. The surface may be finished smooth. Where a very deep recess is to be filled, it may be necessary to apply in layers. Repairs may be camouflaged, if required, by covering surface with cement powder, before full cure.

CLEANING OF EQUIPMENT

Clean tools with a suitable thinner (Xylene / MEK / Acetone), immediately after use. Hardened / cured material can only be removed by mechanical means.

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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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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