



BUILDING TRUST



PRODUCT DATA SHEET

DAVCOPOXY 271

High performance epoxy tile grout

DESCRIPTION

DAVCOPOXY 271 is a water based two pack formulated epoxy resin tile grout for pointing of ceramic tiles. DAVCOPOXY 271 is a high strength and impervious grout designed for tile installation over clean and sound substrate. It is ready for use flowable mortar.

USES

- Food processing plant / commercial kitchen
- Normal / salt-water swimming pool
- Electronics industry
- Chemical plant
- Laboratory

CHARACTERISTICS / ADVANTAGES

- Water based
- High strength and impervious grout
- Anti-efflorescence

PRODUCT INFORMATION

Packaging	Part A (Hardener)	4 kg pail
	Part B (Resin)	1 kg can
	Part A+B	5 kg set
Shelf life	12 months from date of production	
Storage conditions	Store in cool, dry elevated place in original unopened conditions.	
Appearance and colour	Part A	White greenish
	Part B	▪ White paste; or ▪ Dark grey paste

TECHNICAL INFORMATION

Chemical resistance	Chemical	24 hours spot test
	3 % Acetic Acid	No effect
	10 % Sodium Hydroxide	No effect
	Ethanol	No effect
	Xylene	No effect
	Water	No effect

APPLICATION INFORMATION

Mixing ratio

Part A : Part B = 4 : 1 (by weight)

Consumption	Tile size (mm)	Joint width 1.5 mm	Joint width 3.0 mm
	20 × 20 × 5	1.20 kg/m ²	2.40 kg/m ²
25 × 25 × 6	1.15 kg/m ²	2.30 kg/m ²	
50 × 50 × 6	0.58 kg/m ²	1.15 kg/m ²	
100 × 100 × 6	0.29 kg/m ²	0.58 kg/m ²	
150 × 150 × 10	0.32 kg/m ²	0.64 kg/m ²	
200 × 200 × 10	0.24 kg/m ²	0.48 kg/m ²	
200 × 250 × 10	0.22 kg/m ²	0.43 kg/m ²	
300 × 300 × 10	0.16 kg/m ²	0.32 kg/m ²	
600 × 600 × 12	0.096 kg/m ²	0.19 kg/m ²	
800 × 800 × 12	0.072 kg/m ²	0.14 kg/m ²	

Pot Life	~45 minutes at +30 °C
Applied product ready for use	~8–10 hours at +30 °C At lower temperature and humid conditions the curing time is longer.

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.

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.

APPLICATION INSTRUCTIONS**MIXING**

Pour all of Part A and Part B into a clean container and start mixing using a spindle attached to a low-speed handrill for ~3 minutes, until a homogeneous mix is achieved. Decant all the mixed material into another clean container, scrape the wall and base of the container to ensure all materials are decanted. Mix for another 30 seconds. DAVCOPOXY 271 is now ready to be applied.

APPLICATION

Once it is completely mixed, the mortar is poured on to the tiled floor and swept into the joints with a rubber spatula. Ensure that all joints are completely filled. The surface of the tiles should be cleaned off with a sponge and clean plain water.

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CLEANING OF EQUIPMENT

Tools and equipment must be cleaned with water immediately after use. Hardened or cured material can only be mechanically removed.

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.

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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