BUILDING TRUST

PRODUCT DATA SHEET

SikaCeram®-850 Design

Two-part, coloured epoxy grout for joints 2–5 mm

DESCRIPTION

SikaCeram®-850 Design is a two-part, coloured epoxy grout for wall and floor tiles. It is dispensed using a double side-by-side cartridge. It has a smooth, glossy finish which provides a durable chemical-resistant surface for demanding applications and high cleanliness requirements.

USES

SikaCeram®-850 Design is used for grouting wall and floor tiles for the following residential and commercial building applications:
- Wet rooms
- Shopping malls
- Hospitals
- Commercial and industrial kitchens
- Food industry
- Swimming pools (indoors)

Please note:
- The Product may only be used for interior applications.
- Do not use for any other applications that are not explicitly described in this Product Data Sheet.

FEATURES

- Grout joint range: 2–5 mm
- Easy application using cartridge gun
- Two-part double side-by-side cartridge with static mixer nozzle
- Floor and wall application
- Available in many colours
- Low shrinkage
- Abrasion resistant
- Good chemical resistance
- Good workability
- Stain resistant and easy to clean

PRODUCT INFORMATION

Composition	Epoxy resin and special additives	
Packaging	420 g double side-by-side cartridge Refer to current price list for packaging variations.	
Appearance and colour	8 colours. Please contact Sika Sales representative for more details.	
Shelf life	18 months from date of production	
Storage conditions	Product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +35 °C. Always refer to packaging.	
Density	Part A	~1.18 kg/L
	Part B	~1.08 kg/L

TECHNICAL INFORMATION

Abrasion resistance	≤0.05 g		(GB/T 1768-2006)
Tensile adhesion strength	≥3.0 MPa		(JC/T 547-2005)
Chemical resistance	Resistant to many chemicals. Contact Sika Technical Services for additional information.		
Skid / slip resistance	Vertical direction	≤0.5 mm	(GB/T 13477.6-2022)
	Horizontal direction	No obvious deformation	
Joint width	2–5 mm	No obvious sagging	(GB/T 9264-1998)

APPLICATION INFORMATION

Consumption

The consumption is dependent on the size of the tiles, joint width and depth.
Consumption measured in m² per cartridge

Tile size (cm)	Joint width: 2 mm	Joint width: 2.5 mm	Joint width: 3 mm
5 × 5	1 m²	0.5 m²	0.25 m²
10 × 10	2 m²	1.5 m²	1 m²
20 × 20	3.5 m²	2.5 m²	2 m²
30 × 60	7.5 m²	5.5 m²	4 m²
60 × 60	10.5 m²	7.5 m²	5.5 m²
80 × 80	14 m²	10 m²	7 m²

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

Ambient air temperature		
	Minimum	+5 °C
	Maximum	+35 °C

Substrate temperature		
	Minimum	+5 °C
	Maximum	+35 °C

Applied product ready for use

Use	Waiting time
Surface drying time	~3 hours
Pedestrian traffic	~24 hours
Full traffic	~72 hours

Values determined in laboratory conditions: +23 °C ± 2 °C, R.H. 50 % ± 5 %. Higher temperatures will reduce the indicated waiting time, lower temperatures increase waiting time.

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 add anything to the product that is not specified in this Product Data Sheet.

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

Check joints are dry, clean, clear of excess adhesive, contaminants and tile joint spacers. Remove from joint before grout application.
Avoid any ponding / standing water on the surface.
Surface must not be damp to touch.
Always perform a test on cleanability and staining before grouting any type of cladding with an absorbent or porous surface.
Always perform a preliminary test when requiring a colour contrast between grout and tiles.

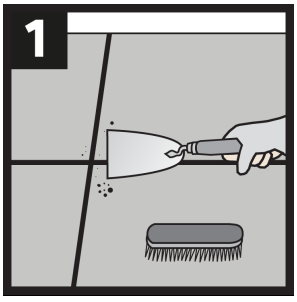
MIXING

1. Unscrew the cartridge cap.
2. Pull out the cap.
3. Screw on the static mixer nozzle.
4. Place the cartridge into the application gun ready for use.
5. Pump gun at least 2 times until both parts extrude as a homogeneous colour. Do not use this material.
6. Release the gun pressure and clean the static mixer nozzle opening with a cloth.

APPLICATION

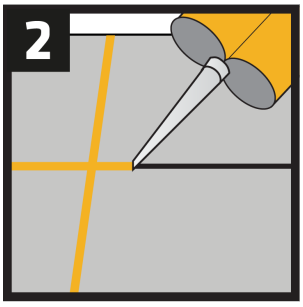
Application without masking tape

Check adhesive has fully set before grouting. Clean the joint to remove any dust or dirt before grouting. Apply wax (Sika-Ceram-950) to make cleaning off excess grout easier.



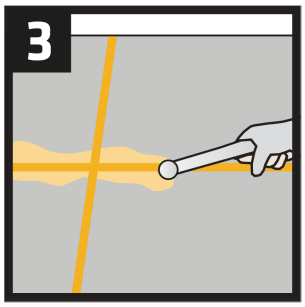
Application without masking tape

After making sure that the two components are blended well, extrude Sika-Ceram®-850 Design into the joint ensuring that it comes into full contact with the sides of the joint and avoiding any air entrapment.



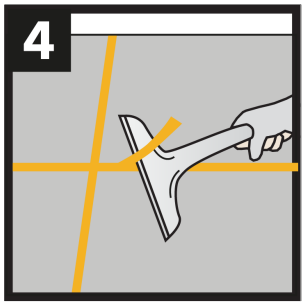
Application without masking tape

As soon as possible after application, smooth the grout with a finishing tool (metallic ball) to obtain a smooth finish



Application without masking tape

After 6 to 8 hours, remove any excess product on the tile with a sharp scraper



Application without masking tape

Use product within 20 minutes otherwise change the mixing nozzle

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Sika® Colma Cleaner immediately after use. Hardened material can only be removed mechanically.

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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