

PRODUCT DATA SHEET

SikaCeram® RTG

Abrasion and Chemical Resistant Epoxy Tile Grout

DESCRIPTION

SikaCeram® RTG is a high performance solvent-free, 3-component tile grouting mortar with good chemical and abrasion resistance, based on an epoxy resin and selected quartz fillers. Suitable for use in hot and tropical climatic conditions.

USES

SikaCeram® RTG is used for rigid, waterproof and chemical resistant sealing of joints in ceramic wall and floor coverings, which are subjected to chemical and mechanical attack:

- Food and beverage industries
- Medical and therapeutic rooms
- Laboratories
- Storage tanks
- Toilet facilities
- Steam and water-jet cleaning industrial washing facilities.

CHARACTERISTICS / ADVANTAGES

- Easily workable consistency
- Excellent abrasion resistance
- High mechanical strength
- Good resistance to chemicals
- Not supporting bacterial growth in wet areas
- Excellent adhesion to ceramic and porcelain tiles without primer

APPROVALS / CERTIFICATES

SikaCeram® RTG follows the requirements of ANSI 118.3 for compressive strength.

PRODUCT INFORMATION

Packaging	Standard unit: 12.5 kg			
	Component A	Component B	Component C	Component A+B+C
	3.95 kg	1.05 kg	7.5 kg	12.5 kg
Shelf life	24 months from production date if stored properly in original unopened packaging.			
Storage conditions	Stored properly in original, unopened, sealed and undamaged packaging in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight, heat and moisture.			
Appearance / Colour	Colours available: RAL 1013 Other RAL colours available on request based on minimum order quantity.			
Maximum grain size	~0.2 mm			
Density	~1.84 kg/l			

Compressive strength	~25 N/mm ² (1d / +23 °C) ~50 N/mm ² (7d / +23 °C)	(ASTM C579)
Tensile adhesion strength	≥ 1.5 N/mm ² (or concrete failure)	(EN 1881)
Joint width	Max. 8mm	

APPLICATION INFORMATION

Mixing ratio	(A + B) : C = 1 : 1 to 1.5 depends on required flowability and joint width.	
Ambient air temperature	+10 °C min. / +35 °C max.	
Substrate temperature	+10 °C min. / +35 °C max.	
Pot Life	~25 min (+20 °C)	
Applied product ready for use	<ul style="list-style-type: none"> ▪ Light foot traffic after 24 h* ▪ Ready for use after 7 d* <p>* Values refer to laboratory conditions +23 °C and r.h. 50% Above times are approximate and will be affected by changing the substrate and ambient conditions, particularly the temperature and relative humidity.</p>	

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

SUBSTRATE QUALITY / PRE-TREATMENT

Substrates must be properly cured, structurally sound, clean, dry and free of all contaminants such as dust, dirt, oil, grease, cement laitance, efflorescence, previous coatings, or any other surface treatments or obstructions such as excess tile adhesive, tile joint spacers, etc.

Surface moisture should be below < 5 %

MIXING

Stir part A mechanically. When all of part B has been added to part A, mix continuously for 2 minutes until a uniform mix has been achieved and slowly add the part C. Mix until a uniform and lump free consistency.

Wall application (vertical surfaces):

In case the thixotropy of the material need to be improved, addition of 0.5 to 3.0% Extender T (Thickening Agent for Resin Systems) is possible. Stir part A mechanically. Add Extender T to component A, and stir for 2 minutes then add component B to A, mix continuously for 2 minutes until a uniform mix has been achieved and slowly add the part C. Mix until obtain a uniform and lump free consistency.

For more details please contact Sika Technical Department.

APPLICATION

Apply SikaCeram® RTG into the joints using a trowel or a rubber squeegee, or pour SikaCeram® RTG onto the floor, raking it out in order to fill the joints and smoothing it off provisionally. After half an hour (at +20 °C), remove the surplus material with Thinner solvent, using a wet sponge.

SikaCeram® RTG can't be emulsified or cleaned with

water.

CLEANING OF EQUIPMENT

As long as the product has not hardened, use Thinner solvent for tools and warm water and soap for skin. Hardened material can only be removed mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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.

Sika Kenya Limited

Mudher Industrial Complex, Mombasa
Road
P.O Box 38645 - 00623 Nairobi, Kenya
Mobile: +254 711 140234 / +254 786
140234
Web: ken.sika.com

Product Data Sheet

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