

PRODUCT DATA SHEET

SikaGrout[®]-128 (G280)

General patching non-shrink grout

DESCRIPTION

SikaGrout[®]-128 (G280) is a cementitious non-shrink grout with low embodied carbon footprint and is approved by the Eco-labelling authority in Singapore as a sustainable building material. It requires only the addition of water to produce a high quality, non-shrink grout that is non-corrosive, non-oxidising and free of chlorides and nitrates.

USES

Suitable for the following applications:

- Patching repairs on concrete walls and floors
- Bonding of new concrete to old
- Filling cavities, gaps, recesses, joints, angle fillets, etc.

CHARACTERISTICS / ADVANTAGES

- Consistent quality as it is pre-mixed in factory
- Non-shrinking and free of bleeding and settlement
- High early compressive and flexural strength
- Achieve strong non-corrosive bonding to steel and concrete
- Chloride and iron free

PRODUCT INFORMATION

Reinforcing Material	Graded sand		
Packaging	25 kg/bag		
Appearance / Colour	Grey powder		
Shelf Life	12 months from the date of production		
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions. Keep away from direct sunlight and frost.		
Consistency	Flow Consistency	30–45 %	(ASTM C1437:2015)

TECHNICAL INFORMATION

Compressive Strength	≥ 40 N/mm ²	(ASTM C109:2016a)
Shear Adhesion	Slant Shear Adhesion ≥ 1.5 N/mm ²	(BS EN 12615:1999)
Change of Volume	0–3 %	(ASTM C827/827M:2010)

APPLICATION INFORMATION

Mixing Ratio	3.25–4.50 L of water per bag
Yield	~0.014 m ³
Pot Life	20–45 mins depending on weather condition
Initial Set Time	≥ 1 hr (BS EN 196:3:2005 + A1:2008)
Final Set Time	≤ 4 hrs (BS EN 196:3:2005 + A1:2008)
Fresh Mortar Density	(2.10 ± 0.1) kg/L

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

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

Substrate should be cleaned and roughened. All loose materials and free water must be removed. Damp the substrate with water before application.

MIXING

For optimum result, a mechanical mixer should be used. Correct water ratio should be measured and poured into the container. Then slowly add SikaGrout®-128 (G280) into the container and mix continuously for 4 to 5 minutes until a homogeneous paste is achieved.

APPLICATION

SikaGrout®-128 (G280) is ready to use after mixing with the appropriate water demand. For patching repairs to floor and walls, application can be done using a steel trowel. For improved abrasion and water resistance, a bonding agent, e.g. SikaLatex®-118 can be added.

APPLICATION METHOD / TOOLS

WATERPROOF GROUT

A waterproofing admixture such as Sika® WT-220 PMY can be added to SikaGrout®-128 (G280) to enhance its waterproofing property. Refer to Sika® WT-220 PMY PDS for the proper dosage and mixing.

CURING TREATMENT

Immediately after finishing, exposed area should be thoroughly cured with wet hessian or curing compound.

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 Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate,
71800 Nilai, Negeri Sembilan D.K.
Malaysia
Phone: +606-7991762
e-mail: info@my.sika.com
Website: www.sika.com.my



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