

PRODUCT DATA SHEET

SikaGrout®-128 (G280)

(formerly Davco® Grout 280 ECO)

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.

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.	
Density	2.10 ± 0.1 kg/L	(Wet)
Consistency	Flow Consistency 30 - 45%	(ASTM C1437:2015)
Compressive Strength	≥ 40 N/mm ²	(ASTM C109:2016a)
Shear Strength	Slant shear bond strength ≥ 1.5 N/mm ²	(BS EN 12615:1999)

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

APPROVALS / STANDARDS

Singapore Green Building Product (Leader) Cert. No. SGBP 3616

APPLICATION INFORMATION

Mixing Ratio	3.25 ltr - 4.50 ltr per bag
Yield	~ 0.014 m ³
Pot Life	20 to 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)

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 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®-751 can be added.

APPLICATION METHOD / TOOLS

WATERPROOF GROUT

A waterproofing admixture such as Sika®-1 can be added to SikaGrout®-128 (G280) to enhance its waterproofing property. Refer to Sika®-1 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 (Singapore) Pte Ltd.

28 Tuas South Ave 8
Singapore 637648
Phone: +65 6861 0632
Fax: +65 6862 3915
Email: sales@sg.sika.com
www.sika.com.sg



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