

PRODUCT DATA SHEET

SikaGrout[®]-770 (G70)

(formerly Davco[®] Grout 70 ECO)

HIGH STRENGTH NON SHRINK GROUT



DESCRIPTION

SikaGrout[®]-770 (G70) is a premium grade high strength grout with low embodied carbon footprint and is approved by the Singapore Eco-labelling authority as a sustainable building material. SikaGrout[®]-770 (G70) is premixed in the factory to ensure consistently high product quality on-site. It is easy to use and needs only the addition of water on site to provide a non-shrink grout with high compressive strength.

USES

Use SikaGrout[®]-770 (G70) in applications needing high compressive strength and where shrinkage is undesirable.

Primary uses are for bedding, filling and grouting applications needing high strength, and non-shrink material. It can be used for bedding mortar in prefabricated building construction, repairs to precast concrete, bedding bearing plates, anchor bolt fixing and crane rail assembly.

CHARACTERISTICS / ADVANTAGES

- Consistently good quality as all ingredients are premixed in the factory
- Free of bleeding and settlement
- No shrinkage in both plastic and hardened phases
- Increased strength when fully restrained
- Superior workability
- Certified Green Label Product

APPROVALS / STANDARDS

Singapore Green Building Product (Leader) Cert. No. SGBP 4322

PRODUCT INFORMATION

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.

TECHNICAL INFORMATION

Compressive Strength	$\geq 70 \text{ N/mm}^2$	(ASTM C942 : 2015)
Shrinkage	0 % at 28 days	(ASTM C940:2016)

APPLICATION INFORMATION

Mixing Ratio	Plastic consistency: 3.2 - 4.0 ltr/bag
Yield	~ 0.012 m ³
Pot Life	20 to 45 min Depend on weather condition
Initial Set Time	≥ 1 hr (ASTM C953 : 2010)
Final Set Time	≤ 10 hours (ASTM C953 : 2010)

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

Clean off oil, dust, dirt, paint, curing compound and thoroughly damp the surface before application.

MIXING

For optimum result, a mechanical mixer should be used. Damp the grout mixer with water before mixing the batch of SikaGrout®-770 (G70). Ensure the mixing pail is free of standing water. Add the premeasured quantity of water. Slowly add SikaGrout®-770 (G70), mixing continuously for about five minutes until a homogeneous consistent grout is achieved.

APPLICATION

Floor And Vertical Patching / Repairs:

Compact SikaGrout®-770 (G70) into the repair area with rod and finish with a steel trowel.

For horizontal grouting of prefabricated concrete units, apply the mixed grout along the joint areas ensuring good grout consistency and there is no sagging before joining the prefabricated units.

Curing:

Immediately after finishing, exposed area should be thoroughly cured with water spray, 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.

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September 2025, Version 01.03
020201010010000583

SikaGrout-770G70-en-SG-(09-2025)-1-3.pdf