BUILDING TRUST

PRODUCT DATA SHEET

SikaGrout®-212 GP

General Purpose Non-Shrink Grout

DESCRIPTION

SikaGrout®-212 GP is a non-shrink, self-levelling, pre-mixed cementitious grouting mortar with extended working time to suit local ambient temperatures.

USES

SikaGrout®-212 GP is suitable for the following grouting works: columns in precast construction cavities, gaps, recesses, etc.

FEATURES

- Good flowability
- Good dimensional stability
- High strengths, adjustable consistency
- No bleeding
- Non toxic, non corrosive
- Ready and easy to use
- Economical
- Impact resistant

PRODUCT INFORMATION

Packaging	20 kg / bag
Appearance and colour	Powder Grey
Shelf life	12 months from date of production.
Storage conditions	Keep in unopened, undamaged original packaging and protected from direct sunshine in dry condition.
Bulk density	Approx. 1.3 kg /L

TECHNICAL INFORMATION

Compressive strength (ASTM C109)

Water Content (%)	1 day	7 days	28 days
13	250	550	730
14	200	500	650

Note: ASTM C109 (kgf / cm²)
Test at 28°C in lab condition

APPLICATION INFORMATION

Consumption	Approx. 2 kg of powder for one litre of mortar. For 1 m³ of mortar approx. 94 x 20 kg bags and 260 litres of water.

Setting time

Water Content (%)	Consistency (J rote)	Setting Time (Initial)	Setting Time (Final)	Bleeding / ASTM C232
13	<15 seconds	~ 4 : 00	~ 7 : 00	nil
14	<10 seconds	~ 5 : 00	~ 8 : 00	nil

Note: ASTM C807 (hours : minutes) Test at 28°C in lab condition.

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.

IMPORTANT CONSIDERATIONS

Use SikaGrout®-212 GP for grouting. Min. gap 10 mm. Max. gap 50 mm. At temperatures lower than 20°C setting time and strength gain will be slower. Normal curing practice should be observed for at least 3 days.

- Not to be used for overlay or repair works in unconfined spaces
- Refer to the Method Statements for Cementitious Grouts for more information
- Non-shrink definition as per ASTM C 1107 applies
- Avoid application in direct sun and/or strong wind
- Do not add water over recommended dosage
- Apply only to sound, prepared substrate

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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete surfaces should be clean, sound and free from oil, greases, laitance and loose particles. Metal surfaces (iron and steel) should be free from scale, rust, oil and grease. Absorbent substrates must be saturated throughly, but no standing water.

MIXING

Powder should be added to the pre-gauged water to suit the desired consistency. For J rote <10 seconds, approx. 2.8 lites of water per 1 bag 20 kg. (approx. 14% by weight of SikaGrout®-212 GP) should be used.

The amount of water may be reduced within the flowable consistency if desired. Mix mechanically with a low speed drill (max. 500 RPM) with a disc agitator attached, until a smooth, even consistency is achieved.

APPLICATION

Pour mortar after mixing. Ensure, that air entrapped into the grout is allowed to escape. When carrying out baseplate grouting, ensure sufficient head of pressure is maintained to keep mortar flow uninterrupted. Make sure, that necessary formwork is firmly in place and watertight.

CLEANING OF EQUIPMENT

Clean all tools and equipment with water immediately after use. Hardened mortar can only be removed mechanically.

LOCAL RESTRICTIONS

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

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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