

PRODUCT DATA SHEET

SikaGrout[®]-212 NG

HIGH STRENGTH SHRINKAGE COMPENSATED CEMENTITIOUS GROUT

DESCRIPTION

SikaGrout[®]-212 NG is a 1-component, ready to mix, free flowing, low shrinkage expanding cementitious grout.

USES

- General purpose grouting
- Machine and base plates
- Dowling reinforcing bars
- Bedding joints in pre-cast concrete sections
- Filling cavities, voids, gaps and recesses
- Post fixings

FEATURES

- Easy to use (ready to mix powder)
- Shrinkage compensated properties
- Pre-batched for quality
- Good flow characteristics
- Good bond to concrete
- Non-corrosive
- No segregation or bleeding
- Can be pumped or poured

PRODUCT INFORMATION

Composition	Cement, selected fillers and aggregates, special additives
Packaging	25 kg bags
Appearance and colour	Grey powder
Shelf life	12 months minimum from production date.
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 5 oC and 35 oC. Protect from direct sunlight.
Density	2.3 (fresh density)
Soluble chloride ion content	≤ 0.05% (EN 1015-17)

Compressive strength	1 day ≥ 20 MPa	7 days ≥ 40 MPa	28 days ≥ 60 MPa	(EN 196-1)
Mixing ratio	2.5 – 3.5 litres clean water per 25kg bag, according to the requested workability of the mortar			
Consumption	~20 kg of powder per 10 mm thickness for each m2			
Yield	1 bag yields approximately 12.5 l of mortar			
Layer thickness	Minimum 10 mm/ maximum 100 mm			
Ambient air temperature	+8°C min. / +30°C max			
Substrate temperature	+8°C min. / +30°C max.			
Pot Life	40 minutes at 20 °C			

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Not to be used as an overlay in unconfined spaces
- Not to be used as a patch repair Refer to the Sika Method Statement for more information
- Avoid application in direct sun and/or strong wind
- Do not add water over recommended dosage
- Apply only to sound, prepared substrate Do not add additional water after application as this may cause cracking
- Protect freshly applied material from freezing and frost
- Keep exposed surfaces to a minimum
- Do not vibrate

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

The concrete shall be thoroughly clean, free from dust, loose material, surface contamination and materials which reduce bond or prevent suction.

MIXING

Pour the water in the recommended proportion into a suitable mixing container. While stirring slowly, add the powder to the water. Mix with low speed (< 500 rpm) hand drill mixer to avoid entraining too much air. Mix thoroughly at least for 3 minutes until homogenous with no lumps. Mix only full bags for best

results.

APPLICATION

Stand the grout for ~2-3 minutes; stir with a trowel and then pour into the prepared openings.

For more information on pouring techniques refer to Sika Method Statement

CURING TREATMENT

Protect the fresh material from premature drying using an appropriate curing method e.g. curing compound, moist geotextile membrane etc.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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SikaGrout®-212 NG
December 2024, Version 01.02
020201010010000472

