

PRODUCT DATA SHEET

SikaGrout®-112 PH

General Purpose, Non-shrink Cementitious Grout

DESCRIPTION

A non-shrink, ready mixed cementitious grouting mortar with extended working time to suit local ambient temperatures. Complies to ASTM C 1107.

USES

For general purpose grouting over a wide range of applications:

- For grouting method of concrete repair (form and pour)
- Grouting of concrete base plates and precast sections
- Repair of cavities, gaps and recesses
- Grouting of supporting bridge bearing pads

CHARACTERISTICS / ADVANTAGES

- Easy to use, just add water and mix
- Economical
- Shrinkage compensated
- Non-corrosive
- Non-toxic

PRODUCT INFORMATION

Packaging	25 kg bag
Appearance / Colour	Grey powder
Shelf Life	12 months from the date of production
Storage Conditions	Store properly in dry conditions in undamaged and unopened original sealed packaging. Protect from direct sunlight and rainfall.
Maximum Grain Size	2 mm

TECHNICAL INFORMATION

Compressive Strength	ASTM C109	
	1 day	> 15 MPa to 20 MPa
	7 days	> 25 MPa to 30 MPa
	28 days	> 38 MPa to 42 MPa

APPLICATION INFORMATION

Mixing Ratio	4.5 Liters to 5.0 Liters of water per 25 kg bag (18% to 20% water to powder ratio)
Layer Thickness	10 mm to 100 mm
Setting Time	5 hours to 7 hours

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Remove dirt, oil, grease, loose material and other bond-inhibiting materials. Concrete must be sound and roughed complying to ICRI-CSP 5 to 10. Prior to any grouting works, the substrate must be wetted into Saturated surface dry (SSD) condition.

MIXING

Use a mechanical low-speed drill mixer fitted with a mixing paddle (300–500 RPM). Add the appropriate quantity of water to the mixing vessel. Slowly add the total content of SikaGrout-112 PH while mixing. Mix continuously for 3 minutes to achieve a uniform consistency.

APPLICATION

Pour the mixed mortar immediately after mixing into the prepared opening. Ensure that the air displaced by the mortar can escape easily.

CURING TREATMENT

Protect the freshly applied mortar from mechanical movement and direct exposure to sunlight. Cure for 3 to 7 days using approved methods, such as water misting, covering with wet burlap, or applying curing compounds, to prevent premature dehydration and thermal cracking.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened or cured material can only be removed mechanically.

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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