

## PROVISIONAL PRODUCT DATA SHEET

# SikaGrout® -112 PH

## General Purpose Non-Shrink Cementitious Grout

<b>Description</b>	A non-shrink, ready mixed cementitious grouting mortar with extended working time to suit local ambient temperatures. Complies to ASTM C-1107
<b>Uses</b>	For grouting over a wide range of applications: <ul style="list-style-type: none"> <li>■ For grouting method of concrete repair</li> <li>■ Precast concrete sections</li> <li>■ Cavities, gaps and recesses</li> <li>■ Supporting bridge bearing pads</li> </ul>
<b>Characteristics / Advantages</b>	<ul style="list-style-type: none"> <li>■ Easy to use...just add water</li> <li>■ Economical</li> <li>■ Shrinkage compensated</li> <li>■ Non-corrosive</li> <li>■ Non-toxic</li> </ul>
<b>Consumption</b>	~ 1.851 kg/m <sup>3</sup> of mortar
<b>Instruction for Use</b>	
Surface Preparation	Remove dirt, oil, grease, loose material and other bond-inhibiting materials. Concrete must be sound and roughened to promote mechanical adhesion. Prior to pouring, surface must be wetted to saturated surface dry.
Forming	For pourable grout, construct forms to retain grout without leakage. Forms should be lined or coated with bond-breaker for easy removal. Forms should be sufficiently high to accommodate head of grout.
Mixing	Put appropriate quantity of water (depend on the required consistency) into a mixing vessel. Add slowly the total contents of SikaGrout-112PH while mixing. Mix continuously for 3 minutes to achieve an even consistency. Use a mechanically low speed drill (400-500 rpm) with mixing paddle or appropriately sized mortar mixer.
Application	Pour mortar immediately after mixing into prepared opening. Ensure that air displaced by the mortar can easily escape, otherwise entrapped air will prevent full contact grouting. Wet porous substrate to saturated surface dry condition
Curing	Wet cure for a minimum 3 days with wet burlap plastic sheet or apply a curing compound (or SikaAntisol).
Limitations	<p>Minimal thickness of the gap to be grouted: 3 times the max. grain size diameter</p> <p>maximum layer thickness of the gap to be grouted: 10 times the max. grain size diameter.</p> <p>If the thickness exceeds 100mm, special procedure must be taken to anticipate temperature rise. Iced water, add coarse aggregate to the mix, or both of them may be used to eliminate temperature rise. Keep the materials and substrate temperature lower than 30°C. Variations in cement could cause shade differences in colour of the mortar.</p>

## Technical Data

Form	Powder
Color	Grey
Granulometry (max. grain size)	2mm
Flow Condition	Flowable 260 – 280 mm
Water Requirement (liters per 25 Kg Bag)	~4.5 – 5 Liters
Mix Density	~2 kg/l
Compressive Strength MPa (ASTM C-109)	
1 day	>15 - 20 MPa
7 days	>25 - 30 MPa
28 days	>38 - 42 MPa
Initial Setting Time	5 – 7 Hours
Shelf Life	6 months
Packaging	25 kg Bags

Handling Precautions	<ul style="list-style-type: none"> <li>■ Avoid contact with skin and eyes</li> <li>■ Wear protective gloves and eye protection during work</li> <li>■ If skin contact occurs, wash skin thoroughly</li> <li>■ If in eyes, hold eyes open, flood with warm water and seek medical attention without delay</li> </ul>
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Cleaning of Tools	Clean all tools and application equipment with water immediately after use. Hardened/cured material can only be mechanically removed.
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Basis of Product Data Sheet	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.
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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.
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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.
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<b>Legal Notice</b>	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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 November 2018, Version No.1

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