



Stikko Grout 200

High precision, non shrink, expanding pouring grout

Product Description	Cement based flowable, two stage expanding grout with selected aggregate
Uses	<ul style="list-style-type: none"> <input type="checkbox"/> To grout bearings, machine foundations, columns joints In precast construction etc. <input type="checkbox"/> To grout anchors in concrete <input type="checkbox"/> To grout cavities, gaps and voids in concrete
Characteristics/ Advantages	<ul style="list-style-type: none"> <input type="checkbox"/> Easy to use (ready to mix powder) <input type="checkbox"/> Easy to mix, only add water <input type="checkbox"/> Adjustable consistency <input type="checkbox"/> Very good flow characteristics <input type="checkbox"/> Rapid strength development <input type="checkbox"/> High final strengths <input type="checkbox"/> Initial expansion by gas generation <input type="checkbox"/> Impact- and vibration resistant <input type="checkbox"/> Non-corrosive <input type="checkbox"/> Not flammable, non-toxic <input type="checkbox"/> Shrinkage compensated
Product Data	
Form	
Appearance/Colour	Grey powder
Packaging	30 kg bags
Storage	
Storage Conditions/ Self-Life	6 months from date of production if stored properly in dry conditions in undamaged and unopened original sealed packaging.

Technical Data									
Chemical Base	Cement selected fillers and aggregates, special additives								
Bulk Density	1.2kg/l (of fresh grout) at 27°C								
Grading	2.36 mm down								
Layer Thickness	StikkoGrout 200: 20 mm min. / 100 mm Max.								
Mechanical / Physical Properties									
Compressive Strength	Ambient temperature +30°C (According to ASTM 1107-91)								
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E-Modulus	~ 37'000 N/mm ²								
System Information									
Application Details									
Consumption	For 1 mm thickness per m ² StikkoGrout 200: 2.0 kg/l								
Substrate Quality	<p>Concrete, grout, stone: Surface must be sound, clean, free from ice, oils, grease, standing water and any loose or friable particles and any other surface contaminants.</p> <p>The concrete "pull off" (tensile) strength should be > 1.0 MPa.</p> <p>Steel, iron: Clean, free from oil or grease, rust and scale etc.</p>								
Substrate Preparation	<p>The substrate should be prepared by suitable mechanical preparation techniques such as high pressure water jetting, breakers, blastcleaning, scabblers, etc.</p> <p>The concrete substrates should be pre-soaked with clean water continuously for 2 - 6 hours to ensure a saturated surface dry condition throughout the operation.</p> <p>Immediately before pouring remove all excess or standing water from within any formwork.</p>								
Application Conditions / Limitations									
Substrate Temperature	+5°C min/ +40°C max								
Ambient Temperature	+5°C min/ +40°C max								

Application Instructions	
Mixing	<p>StikkoGrout 200</p> <p>For Flowable : Water : Powder = 0.14 to 0.16 by weight (4.2 to 4.8 l water per bag).</p> <p>For Pourable : Water : Powder = 0.12 to 0.14 by weight (3.6 to 4.2 l water per bag).</p>
Mixing Time	3 minutes minimum
Mixing Tools	<p>Mix grout-powder mechanically in the correct ratio with water with low speed (max. 500 rpm) electric drill to avoid entraining too much air.</p> <p>Dependent on the desired consistency and flow properties, the mixing ratio can be adjusted. Don't use concrete tilting mixer.</p>
Application Method	<p>Pour grout immediately after mixing into the prepared openings. Ensure, that air displaced by the grout can easily escape, otherwise entrapped air will prevent full contact grouting. Wet porous substrates to saturated surface dry condition.</p> <p>When grouting base plates etc., ensure that a continuous and sufficient head of pressure is maintained to keep the grout flowing. To make optimum use of the products expansion properties, apply the grout as quickly as possible (within max. 15 minutes).</p>
Cleaning of Tools	Cleaning of Tools Clean all tools and application equipment with water immediately after use. Hardened/cured material can only be mechanically removed.
Potlife	~ 20 minutes at +30°C
Notes on Application/ Limitations	<p>Use StikkoGrout 200 for grouting only; do not use StikkoGrout 200 for patch repair work etc.</p> <p>Ensure formwork is secure and watertight to prevent movement and leaking during placing and curing.</p> <p>Use chilled water for mixing in case of high ambient temperature.</p> <p>Depending on requirements and site conditions the addition of dry, single size and clean aggregates is possible. Trials are recommended to confirm suitability of aggregates to be used.</p> <p>For large bedding holes and higher gaps duly washed coarse aggregates of size 6mm down may be mixed with StikkoGrout 200 in the proportion of grout: aggregate=2:1 (by weight)</p> <p>For additional technical information on StikkoGrout 200 or other grouting materials contact the technical services department.</p>
Curing Details	
Curing Treatment	Keep any visible, exposed-grout surfaces as small as possible and protect from premature drying out by suitable measures (keep moist, cover with wet Hessian etc.).

Value Base	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.
Health and Safety Information	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.
Legal Notes	The Information, and, in particular, the recommendation relating to the application and end-use of STIKKO products, are given in good faith based on STIKKO'S current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with STIKKO'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. STIKKO 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.