



Stikko Microconcrete

Ready to use non-shrink, cementitious micro concrete

Product Description	Stikko Micro Concrete is factory designed pourable, non shrink, repair concrete with selected cement, aggregate and other chemicals. Recommended water and coarse aggregate to be added at site as per requirement.
Uses	<ul style="list-style-type: none"> <input type="checkbox"/> Stikko Micro Concrete is mainly recommended for the repair of damaged concrete Structures e.g. <input type="checkbox"/> Columns <input type="checkbox"/> Beams <input type="checkbox"/> Slabs, etc. <input type="checkbox"/> It is also recommended for grouting of large gaps
Characteristics / Advantages	<ul style="list-style-type: none"> <input type="checkbox"/> A properly designed concrete which can be pumped or poured into restricted <input type="checkbox"/> Placement without any vibration. <input type="checkbox"/> Expansion system compensates for shrinkage settlement in plastic stage. <input type="checkbox"/> Easy to mix and apply, high flow characteristic, rapid strength development <input type="checkbox"/> Good bond with old concrete <input type="checkbox"/> Contains no added chloride
Product Data	
Form	
Appearance/Colour	Grey powder
Packaging	30 kg bags
Storage	
Storage Conditions / Self-Life	Storage Conditions / Shelf-Life 6 months from date of production if stored properly in undamaged and unopened, original sealed packaging, in dry conditions at temperatures between +5°C and +40°C. Protect from moisture, direct sunlight and frost.
Technical Data	
Bulk Density	1.2kg/l (of fresh grout) at 27°C
PH Value	11-13.5 when mixed with water ready to Pour)

Mechanical / Physical Properties											
Compressive Strength	(According to ASTM 1107-91)										
	<table border="1"> <thead> <tr> <th>Curing Time</th> <th>Curing Temperature (30° C)</th> </tr> </thead> <tbody> <tr> <td>1 day</td> <td>≥ 25</td> </tr> <tr> <td>3 days</td> <td>≥ 35</td> </tr> <tr> <td>7 days</td> <td>≥ 45</td> </tr> <tr> <td>28 days</td> <td>≥ 65</td> </tr> </tbody> </table>	Curing Time	Curing Temperature (30° C)	1 day	≥ 25	3 days	≥ 35	7 days	≥ 45	28 days	≥ 65
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	3 days	≥ 35									
7 days	≥ 45										
28 days	≥ 65										
Flexural Strength	(According to ASTM C 293 - 79)										
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Tensile Strength	(According to ASTM D 412 - 87)										
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Note	The above mentioned values are based on concrete produced by mixing Stikko Micro concrete 10mm down aggregate in proportion of 2:1 (by weight)										
System Information											
Application Details											
Consumption	1760 kg of powder cubic metre of concrete										
Productiveness	1 bag yields approximately 13.5 liters of mortar										
Substrate Preparation	All concrete surfaces should be clean, sound and free from loose particles, oil, grease, etc. Metal surfaces should be scale, rust, oil and grease.										

Application Instructions	
Mixing	Stikko Micro Concrete can be mixed both in paddle type and slow speed grouting mixture or drum type concrete mixer. In both the cases the powder Stikko Micro Concrete is to be added to water and mix till a pourable consistency is obtained with recommended water - powder ratio as per technical data. Do not mix more Microcrete that can be used within 15 minutes. DO NOT ADD ANY EXTRA WATER. For field mixing Stikko technical department may be consulted
Application Method / Tools	Pour the Stikko Micro Concrete after mixing into the area to be covered / filled during if required, ensure proper air displacement
Cleaning of Tools	Clean all tools and application equipment with water immediately after use Hardened / cured material can only be removed mechanically.
Notes on Application / Limitations	When ready to pour Stikko Micro Concrete is workable for 20 minutes after mixing at +30°C)
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 & 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 recommendations 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 difference 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.