

PRODUCT DATA SHEET

Sika® Micro SCC

SELF-COMPACTING LOW HEAT MICRO CONCRETE

DESCRIPTION

Sika® Micro SCC is a self-compacting, cementitious micro concrete, with incorporated corrosion inhibitor and extended working time to suit local ambient temperatures.

USES

- Sika® Micro SCC is suitable for the following works:
- Larger Repairs to Reinforced Concrete Structures exposed to industrial or marine environs. Method of placement: Form & Pour or Form & Pump, partial or full member replacement.
 - Re-surfacing of reinforced concrete slabs
 - Any concreting works where access for placement and consolidation is restricted.

CHARACTERISTICS / ADVANTAGES

- Excellent flowability
- Good dimensional stability
- High strength, Adjustable consistency
- No Bleeding
- Non-toxic, non-corrosive
- Ready and easy to use
- Economical
- Self-compacting

PRODUCT INFORMATION

Packaging	25 kg/ bag
Appearance / Colour	Grey Powder
Shelf life	12 months from the date of production If stored properly in undamaged, original, sealed packaging.
Storage conditions	Store in dry conditions, protected from direct sunlight at temperature between 5°C and 40°C.
Density	Approx. 1.42 kg/l (Bulk Density)

TECHNICAL INFORMATION

Compressive Strength	1 day	3 days	7 days	28 days
	Water content (8%)	200	260	380
* Compressive Strengths (kgf/cm ²)				
Tensile Adhesion Strength	2.5 Mpa at 28 days			(ASTM C-882)

APPLICATION INFORMATION

Consumption	2.3 - 2.4 kg / litre (fresh density of micro concrete)	
Setting Time	Initial (hours-minutes)	Final (hours-minutes)
	Water content (8%)	3:30

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete surfaces should be clean, sound and free from oil, greases, laitance and loose particles.

MIXING

Powder should be added to the pre-gauged water to suit the desired consistency. For inverted cone of 5 second, approx. 2.20 litres of water should be used. Mix mechanically with a plough share type concrete mixer. Mixing Time: Approximately 4 minutes.

APPLICATION

Pour or pump micro concrete after mixing. Ensure, that entrapped air is allowed to escape. For best results keep micro concrete flow uninterrupted. Make sure, that necessary formwork is firmly in place and watertight.

For structural works it is highly recommended to use SikaTop® Armatec - 110 EpoCem® as bonding bridge.

CLEANING OF EQUIPMENT

Clean all tools and equipment with water immediately after use. Hardened concrete can only be removed mechanically.

IMPORTANT CONSIDERATIONS

Use Sika® Micro SCC for concrete works:

- Minimum layer thickness / clearance 25 mm
- At temperatures lower than 20°C setting time and strength gain will be slower
- Normal curing practice should be observed for at least 3 days

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.

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.

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.

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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