

PRODUCT DATA SHEET

SikaFiber® Novocon® CHE-8060 HT

Collated hooked ends steel fibres

DESCRIPTION

SikaFiber® Novocon® CHE-8060 HT steel fibers are designed specifically for the reinforcement of concrete. SikaFiber® Novocon® CHE-8060 HT is a cold drawn glued hooked end high strength steel fibre, to provide optimum anchorage within the concrete.

USES

- Industrial slabs
- Jointless flooring
- Tunnel precast segments
- Blast resistant concrete
- High strength concrete application
- Road and road repairing concrete

CHARACTERISTICS / ADVANTAGES

- Provides uniform multi-directional concrete reinforcement
- Increases crack resistance, ductility, energy absorption or toughness of concrete
- Improves impact resistance, fatigue endurance and shear strength of concrete

- High tensile strength fiber bridging joints and cracks to provide tighter aggregate interlock resulting in increased load-carrying capacity
- Requires less labor to incorporate into concrete than conventional reinforcement
- Offers economical concrete reinforcement solutions with greater project scheduling accuracy
- Ideally suited for hand or vibratory screeds, laser-screeds and all conventional finishing equipment

APPROVALS / CERTIFICATES

Compliance:
SikaFiber® Novocon® CHE-8060 HT complies with European Standard EN 14889-1:2006 Fibres for Concrete Part 1: Group I .

It also conforms to ASTM A820/A820M-04, Type I cold drawn wire.

PRODUCT INFORMATION

Packaging	1200 kg bulk bag 10 kg bag
Shelf life	If stored in dry conditions shelf life is 3 years.
Storage conditions	The pallets should be protected against rain and snow. Do NOT stack pallets on top of each other.
Dimensions	Length (l) 60 mm, diameter (d) 0.75 mm. Aspect ratio (l/d) 80.
Tensile strength	>1900 MPa
Compatibility	SikaFiber® Novocon® CHE-8060 HT steel fibres are compatible with all curing compounds, superplasticisers, water reducers, hardeners and coatings.

Recommended dosage

The dosage of the SikaFiber® Novocon® CHE-8060 HT will vary according to the type of application and the required performance.

Standard recommended dosage rate of SikaFiber® Novocon® CHE-8060 HT is between 15–40 kg/m³ of concrete. Dosages outside the recommended dosage range can be used to meet project specific requirements. If this is the case please contact your Sika representative for technical support.

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.

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

DISPENSING

SikaFiber® Novocon® CHE-8060 HT steel fibres can be added during or after the batching of the concrete but should never be added as the first component. Such devices as conveyor belts, chutes and dispensers may be used to add fibres to the mixer at the ready mix plant. Extra precautions should be taken in wet weather conditions as fibres could separate before mixing with concrete.

After the fibres have been added, the concrete should be mixed for sufficient time (4-5 minutes at full mixing speed) to ensure uniform distribution of the fibres throughout the concrete. The use of a water reducing admixture is recommended to achieve the desired concrete workability.

APPLICATION

Placing

SikaFiber® Novocon® CHE-8060 HT steel fibres can be pumped and placed using conventional equipment.

Hand or vibratory screeds and laser screeds can be used with SikaFiber® Novocon® CHE-8060 HT steel fibres.

Finishing

Conventional finishing techniques and equipment can be used when finishing SikaFiber® Novocon® CHE-8060 HT steel fibre concrete. In some cases an extra bull float process is advised and lowering the angle of the power float blades will help to minimize fibre exposure on the surface.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product 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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Product Data Sheet

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