

PRODUCT DATA SHEET

SikaFiber® Novocon® CHE-6535

Steel Fiber - Type I

PRODUCT DESCRIPTION

SikaFiber® Novocon® CHE-6535 steel fibers are designed specifically for the reinforcement of concrete. SikaFiber® Novocon® CHE-6535 is a cold drawn collated hooked end (CHE) steel fiber, to provide optimum anchorage within the concrete. SikaFiber® Novocon® CHE-6535 steel fibers are specifically designed to meet or exceed the defined performance requirements. Previously Novocon CHE5535.

WHERE TO USE

- Sprayed Concrete
- Precast
- Impact / Blast Resistant Concrete

CHARACTERISTICS / ADVANTAGES

- Provides uniform multi-directional concrete & spray concrete reinforcement
- Increases crack resistance, ductility, energy absorption or toughness of concrete and sprayed concrete
- Improves impact resistance, fatigue endurance and shear strength of concrete and sprayed concrete
- High tensile strength fiber bridging joints and cracks to provide tighter aggregate interlock resulting in increased load-carrying capacity
- Provides increased ultimate load-bearing capacity which allows possible reduction of concrete section
- Requires less labor to incorporate into concrete or sprayed concrete than conventional reinforcement
- Offers economical concrete reinforcement solutions with greater project scheduling accuracy
- Ideally suited for pumping or shot placement and thin walled precast products
- Leads to uniform application of sprayed concrete thickness
- In sprayed concrete applications voids can develop behind wire mesh, this does not occur with fiber reinforcing

APPROVALS / CERTIFICATES

Conforms to ASTM C 1116/C 1116M, Type I steel fiber reinforced concrete
Conforms to ASTM A820 /A 820M - 04, Type I cold drawn wire

PRODUCT INFORMATION

Packaging

SikaFiber® Novocon® CHE-6535 fibers are available in 20 kg (44 lb) paper bags. There are 50 units or 1,000 kg (2,204 lb) bags on a pallet.

Appearance / Colour

- **Fiber Type:** Collated Hooked End Steel Fiber Type I

- **Fiber Network:** 6,900 fibers/lb

Shelf Life

If stored in dry conditions shelf life is 5 years.



Storage Conditions	The pallets should be protected against rain and snow. Do NOT stack pallets on top of each other.
Density	7.85
Dimensions	Length: 1.4 inches (35 mm) Diameter: 0.02 inches (0.54 mm) Aspect Ratio: 65

TECHNICAL INFORMATION

Tensile Strength	196 ksi (1350 Mpa)
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APPLICATION INFORMATION

Recommended Dosage	The dosage of the SikaFiber® Novocon® CHE-6535 will vary according to the type of application and the performance requirements of the project. Standard recommended dosage rate of SikaFiber® Novocon® CHE-6535 is between 35 - 80 lbs/cu. yd. (20–47 kg/m³) of spayed 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.
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BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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