

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.

USES

- 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 / STANDARDS

Conforms to ASTM A820 /A 820M, Type I cold drawn wire

Conforms to ASTM C 1116/C 1116M, Type I fiber reinforced concrete

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 / Color

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

▪ **Fiber Network:** 6,900 fibers/lb (15,200 fibers/kg)

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	181 ksi (1250 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/m ³) 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

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates (“SIKA”), the user must always read and follow the warnings and instructions on the product’s most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA’s Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and

to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs.

NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

Sika Mexicana S.A. de C.V.

Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



Product Data Sheet

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