

## PRODUCT DATA SHEET

# SikaFiber® Novocon® CHE-6560

### Steel Fiber - Type I

#### PRODUCT DESCRIPTION

SikaFiber® Novocon® CHE-6560 steel fibers are designed specifically for the reinforcement of concrete. SikaFiber® Novocon® CHE-6560 is a cold drawn collated hooked end (CHE) steel fiber, to provide optimum anchorage within the concrete. SikaFiber® Novocon® CHE-6560 steel fibers are specifically designed to meet or exceed the defined performance requirements. Previously Novocon CHE0960.

#### USES

- Industrial slabs-on-ground
- Precast
- Jointless floors

#### 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
- Provides increased ultimate load-bearing capacity which allows possible reduction of concrete section
- 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 / STANDARDS

Conform to ASTM C 1116/C 1116M, Type 1 Steel fiber reinforced concrete

Conforms to ASTM A820 /A 820M - 04, Type I cold drawn wire

#### PRODUCT INFORMATION

##### Packaging

SikaFiber® Novocon® CHE-6560 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:** 1,500 fibers/lb

##### Shelf Life

If stored in dry conditions shelf life is 5 years.

<b>Storage Conditions</b>	The pallets should be protected against rain and snow. Do NOT stack pallets on top of each other.
<b>Density</b>	7.85
<b>Dimensions</b>	<b>Length:</b> 2.4 inches (60 mm) <b>Diameter:</b> 0.035 inches (0.9 mm) <b>Aspect Ratio:</b> 65
<b>Tensile Strength</b>	1,100 MPa (160 ksi)

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	The dosage of the SikaFiber® Novocon® CHE-6560 will vary according to the type of application and the performance requirements of the project. Standard recommended dosage rate of SikaFiber® Novocon® CHE-6560 is between 15 - 67 lbs/cu. yd. (9–40 kg/m <sup>3</sup> ) 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.
<b>Mixing</b>	SikaFiber® Novocon® CHE-6560 can be ribbon feed directly to the concrete mixing system after the batching of the ingredients and mixed for 4 to 5 minutes or 70 revolutions. The addition of SikaFiber® Novocon® CHE-6560 at the recommended dosage rates may decrease the slump; however, additional water should not be added. Only a water reducing or high range water reducing admixture should be used to adjust concrete to the desired workability. <b>Application</b> The addition of SikaFiber® Novocon® CHE-6560 at the normal recommended dosage rate does not require any mix design or application changes. The fiber concrete can be mixed, sprayed or placed using conventional equipment. <b>Tooling &amp; Finishing</b> SikaFiber® Novocon® CHE-6560 can be used in power/hand troweled concrete, colored and broom finished concrete. Fiber reinforced concrete can be finished by most finishing techniques as indicated in ACI-302. Proper timing and workmanship are important when using a steel fiber to insure the fiber is not elevated at the surface.

## 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.

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.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding

## OTHER RESTRICTIONS

See Legal Disclaimer.

## 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](http://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.**

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### Sika Corporation

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