

PRODUCT DATA SHEET

SikaFiber® Novocon® CS-1000

Steel Fiber - Type II

PRODUCT DESCRIPTION

SikaFiber® Novocon® CS-1000 steel fibers are designed specifically for the reinforcement of concrete. SikaFiber® Novocon® CS-1000 is a cut sheet continuously deformed steel fiber, to provide optimum anchorage within the concrete. SikaFiber® Novocon® CS-1000 steel fibers are specifically designed to meet or exceed the defined performance requirements. Previously SikaFiber Force CS1000.

USES

- Industrial slabs
- Pavements
- Extended joints slab on ground
- Blast resistant structures and other structural concrete

CHARACTERISTICS / ADVANTAGES

- Increases crack resistance, ductility, energy absorption or toughness of concrete.
- Improves impact resistance, fatigue endurance and shear strength of concrete.
- Reduces shrinkage cracking in concrete.
- Reduces or eliminates conventional reinforcement in concrete.
- Provides three dimensional reinforcement.
- Reduces construction time for slab on ground - no placing, cutting and charring of conventional reinforcement.
- Easy to finish

APPROVALS / STANDARDS

- Conforms to ASTM A820 /A 820M, Type II cut sheet
- Conforms to ASTM C 1116/C 1116M, Type I fiber reinforced concrete

PRODUCT INFORMATION

Packaging	SikaFiber® Novocon® CS-1000 is available in 50 lbs boxes or 25 lb degradable bags
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.
Appearance / Color	<ul style="list-style-type: none"> ▪ Fiber Type: Continuously Deformed Steel Fiber Type II ▪ Fiber Network: 8,180 fibers/lb or 17,990 fibers/kg (Calculated)
Dimensions	Length: 1 inches (25 mm) Aspect Ratio: 41
Density	7.85

TECHNICAL INFORMATION

Tensile Strength

50-100 ksi (340 - 685 MPa)



APPLICATION INFORMATION

Recommended Dosage

The dosage of the SikaFiber® Novocon® CS-1000 will vary according to the type of application and the performance requirements of the project. Standard recommended dosage rate of SikaFiber® Novocon® CS-1000 is between 25 - 75 lbs/cu. yd. (15–45 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

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

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.

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 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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