

PRODUCT DATA SHEET

SikaFiber®-6513 UHPC

Steel Fiber - Type I

PRODUCT DESCRIPTION

SikaFiber®-6513 UHPC steel fibers are designed specifically for the reinforcement of Ultra High Performance Concrete (UHPC). SikaFiber®-6513 UHPC steel fibers can be used in DOT Applications. SikaFiber®-6513 UHPC is a Type 1 brass coated cold drawn steel fiber, to provide optimum tensile strength and fiber count within the concrete. SikaFiber®-6513 UHPC steel fibers are specifically designed to meet or exceed the defined performance requirements.

USES

- UHPC Applications

CHARACTERISTICS / ADVANTAGES

- Provides uniform multi-directional high strength concrete reinforcement
- Increases crack resistance, ductility, energy absorption or toughness of UHPC
- 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

APPROVALS / STANDARDS

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
 Please contact Sika for confirmation of specific government sourcing regulations, such as the Buy America, Build America Act.

PRODUCT INFORMATION

Fiber Volume Content	136,500 fibers/lb
Packaging	SikaFiber®-6513 UHPC 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.
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.
Fiber Type	Type 1 Steel Fiber

Dimensions	Length: 1/2 inch (13 mm) Diameter: 0.008 inches (0.2 mm) Aspect Ratio: 65
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Density	7.85
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TECHNICAL INFORMATION

Tensile Strength	392 ksi (2,700 Mpa)
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APPLICATION INFORMATION

Recommended Dosage	The dosage of the SikaFiber®-6513 UHPC will vary according to the type of application and the performance requirements of the project.
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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.

ENVIRONMENTAL, HEALTH AND SAFETY

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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