

PRODUCT DATA SHEET

SikaFiber®-7020 UHPC

Steel Fiber - Type I

PRODUCT DESCRIPTION

SikaFiber®-7020 UHPC steel fibers are designed specifically for the reinforcement of Ultra High Performance Concrete (UHPC). SikaFiber®-7020 UHPC is a cold drawn, brass coated steel fiber, to provide optimum tensile strength and fiber count within the concrete. SikaFiber®-7020 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

PRODUCT INFORMATION

Packaging	SikaFiber®-7020 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.
Appearance / Color	<ul style="list-style-type: none"> ▪ Fiber Type: Steel Fiber Type I ▪ Fiber Network: 40,800 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: 3/4 inch (20 mm)
Diameter: 0.01 inches (0.3 mm)
Aspect Ratio: 70

TECHNICAL INFORMATION

Tensile Strength 435 ksi (3,000 Mpa)

APPLICATION INFORMATION

Recommended Dosage The dosage of the SikaFiber®-7020 UHPC will vary according to the type of application and the performance requirements of the project.

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.

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