



PRODUCT DATA SHEET

SikaFiber®-901 UHPC

Steel Fiber - Type I

PRODUCT DESCRIPTION

SikaFiber®-901 UHPC steel fibers are designed specifically for the reinforcement of Ultra High Performance Concrete (UHPC). SikaFiber®-901 UHPC is a Type 1 brass coated cold drawn steel fiber, to provide optimum tensile strength and fiber count within the concrete. SikaFiber®-901 UHPC steel fibers are specifically designed to meet or exceed the defined performance requirements

WHERE TO USE

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

Fibre Type	Fiber Type: Steel Fiber Type I Fiber Network: 136,500 fibers/lb
Packaging	SikaFiber®-901 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
Density	7.85
Dimensions	Length: 13 mm Diameter: 0.2 mm Aspect Ratio: 65
Tensile Strength	2,500 Mpa (363 ksi)
Recommended Dosage	The dosage of the SikaFiber®-901 UHPC will vary according to the type of application and the performance requirements of the project.

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

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ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered.

The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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