

FIBERS **FIBCON BF 6**

High-performance basalt fibre with a length of 6 mm

APPLICATION:

- » Screed
- » Delicate components
- » Industrial flooring
- » Precast parts plants

ADVANTAGES:

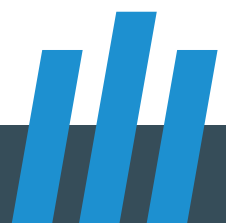
- » Improve the ductility of concrete components
- » Transfer traction forces between cracks
- » Reduce cracking due to drying shrinkage
- » Stainless steel reinforcement
- » Easy dosing and minimal impact on the workability of the concrete
- » The material properties result in low wear on the mixing and conveying equipment.

PRODUCT DESCRIPTION

3CS® FibCon BF 6 is designed for use in concrete, screed and industrial flooring. **3CS® FibCon BF 6** is a natural basalt fibre for structural and static reinforcement of concrete components. **3CS® FibCon BF 6** is an environmentally friendly and harmless fibre made from basalt rock. Adding fibres may result in a loss of consistency in the concrete. We recommend not adding any additional water, but rather adjusting the concrete mix and optimising the possible loss of consistency with a suitable superplasticiser. Preliminary tests under practical conditions are recommended.

PROCESSING

To achieve a homogeneous fibre distribution in the concrete, **3CS® FibCon BF 6** is added directly to the conveyor belt/elevator and dosed with the aggregate. Optimal fibre distribution is achieved with a fibre dosing system. A minimum mixing time of 90 seconds is recommended. A longer mixing time may be necessary for higher fibre dosages.



STORAGE CONDITIONS

Store in the original sealed container in a cool, dark and dry place. A closed room (+5°C to +30°C) protected from the weather is recommended. Protect from direct sunlight, frost and contamination. The user is responsible for disposing of the fibres and packaging. Observe local regulations.

SAFETY INSTRUCTIONS

Please observe the hazard warnings and safety instructions on the labels and in the safety data sheets.

TECHNICAL SPECIFICATIONS

FORM	cut fibre
CUTTING LENGTH	6mm
MATERIAL	basalt rock
DENSITY	2,60 – 2,80g/cm ³
COLOUR	dark grey
DOSAGE	0,50 – 3kg/m ³
WORKING TEMPERATURE	-260 to +700°C
MELTING TEMPERATURE	1.450°C
LOSS ON IGNITION	<0,50%
THERMAL CONDUCTIVITY	0,031-0,038W/mK
SINGLE FILAMENT DIAMETER	13µm (±1)

ARTICLE NUMBER	UNIT	PACKAGING UNIT
B420004446500	kg	10kg box

This data sheet, like our other technical information, serves only to describe the nature of this product and the processing and application options. However, it is not intended to guarantee certain product properties or fitness for a specific purpose, and the description does not contain complete instructions for use. As we reserve the right to make changes to our data sheets, it is the customer's responsibility to ensure the availability of the up-to-date data sheet. Current information sheets can be requested at any time from any of our premises. Typos, technical changes and errors excepted. In addition, our general terms and conditions apply. **Version: 15.07.2025**