



Technical data sheet Concretum® SUPERFIBER FT

Polymer Fiber to Increase resistance against frost and deicing salts

A) Description

Product:

Concretum® SUPERFIBER FT are polymer fibers for mortar and concrete. Their equal distribution in the concrete increases the resistance against frost and deicing salts of mortar and concrete. The product is certified and approved as fiber for mortar and concrete according to standard EN 14889-2.

Application:

- To produce concrete or mortar with high resistance against frost and deicing salts

Material properties:

Concretum® SUPERFIBER FT are shortcut fibers made of 100% polymer (HD).
The dosage of the fibers is 1.0 - 2.0 kg/m³.

Advantages:

- Increase of resistance against frost and deicing salts.
- Fibers that stick out can be burned off.
- Reduced early-age cracking.
- High resistance to alkali.
- No corrosion.
- Simple surface finish.



B) Product data

Chemical basis:
Polypropylene (HD)

Storage:
In unopened original packaging under dry conditions.

	SUPERFIBER FT
Diameter	20 µm
Length	6 mm
Tensile strength	400 - 500 N/mm ²
Young's Modulus	3'500 N/mm ²
Specific density	0.91 kg/m ³
Melting point	160 °C
Dosage	2.0 kg/m ³
Packaging	2 kg biodegradable bag, pallet of 225 bags
Colour	White
Application	Concrete and sprayed concrete
Impact	Increase of resistance against frost and deicing salts

C) Operating instructions

Mixing:
Concretum® SUPERFIBER FT is added after 1/3 of the wet mixing time of at least 90 seconds.

Additional information:
As long as there are no other regulations in this data sheet, the general rules of good practice in concrete production have to be followed. In addition, all measures on optimal processing and curing of concrete according to standard SIA 262 have to be taken. Our consultants have great expert knowledge with the application of fiber-reinforced concretes and mortars and will be happy to be of help.

D) Data

All data published in this technical data sheet is based on internal laboratory tests of Concretum AG. Real values may vary due to external factors that cannot be affected by Concretum AG.

E) Country specific data

Data and values on products of Concretum AG may vary depending on the country of application. The corresponding local technical data sheets are valid. In the case of doubt Concretum AG provides information on valid data and values for the country in question.

F) Important safety information

The fibers do not have any adverse health effects but inhaling them can be unpleasant. We therefore recommend to wear suitable protective clothing (goggles, face mask etc). In case of eye contact please rinse



with plenty of water.

For detailed safety information it is recommended to seek advice in the current material safety data sheet on www.concretum.com.

G) Proof of defects

Products of Concretum AG feature the specific properties that are completely described in this data sheet. For quality control purposes Concretum AG retains samples of each production batch for 24 months. If products of Concretum AG are censured as defective by a customer, a verification of this statement is done solely by checking the corresponding batch sample by an internal testing procedure.

H) Legal information

This data sheet is part of a possible contract between Concretum AG and the customer. The properties of the products are completely described in section B. An application of the products has to be done according to both the instruction of Concretum AG and this data sheet.

Version May 21st, 2009