



DATASHEET

Fibrofor[®] Standard



Product description

Standard is a fibrillated fibre for structural concrete and mortar reinforcement. The fibre ensures uniform and fast three-dimensional distribution throughout the matrix.

Standard serves as a plastic shrinkage reinforcement, reduces shrinkage cracking in the early stage of the matrix, increases the resistance to impact and raises the durability of the finished product.

Standard prevents sedimentation – the subsequent settlement of the matrix.

Standard creates a high level of resistance of concrete structures exposed to aggressive waters.

Application

Standard is applied in the construction of subfloors, screeds and floor slabs of medium load-carrying capacity as well as in shotcrete and hard concrete.

Standard increases impact resistance and reduces abrasion. This is an important factor in connection with screeds and industrial floorings.

Standard meets all the criteria and specifications expected of a fibrillated polyolefine fibre used as plastic shrinkage reinforcement.

Dosage

The recommended approximate addition rate for Standard is 1 kg per m³ of concrete as a structural reinforcement.

Standard is available in a standard length of 19 mm (type 190).

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Physical properties

Material	pure polyolefins
Form	fibrillated
Bulk density	0,91
Lengths	19 mm, tolerance +/- 5%
Colour	pure white
Resistance to acids/alkalis	inert
Tensile strength	300 – 350 N/mm ²
Modulus of elasticity	≈ 4900 N/mm ²
Softening point	≈ 150° C
Foil thickness	≈ 30 µm

Processing

The addition of Standard for dry mixing in concrete production facilities does not require any extension of the mixing time. The selected mixing times of the individual concrete formulations can be retained. Special mixtures for special products may require an extension of the mixing time.

Standard can also be added directly to mobile concrete mixers. The rule here is: Per m³ of matrix, 1 minute mixing time at maximum rpm of the mixing drum.

Its addition in screed mixers (pump) does not pose any problem, either. The mixing times may rise slightly, but as a rule, Standard fibres will be optimally distributed with normal mixing times. (Here it is advisable not to add the packing into the screed mixer.)

Standard can be readily processed with any additives known to us.

Caution: The addition of Standard will increase the rigidity of the concrete!

Optimise the desired placement consistency using concrete plasticiser!
Do not add any additional water!

Packaging (dissolvable admixture bags)

Bags	1 kg
Boxes	12 bags of 1 kg
Pallets	25 boxes = 300 kg

Warranty

Standard fulfils the standard EN 14889-2 and therefore guarantees a consistently high quality.

Contec Fiber AG does not have any control over production processes using Standard. Therefore, Contec Fiber AG declines any liability for the associated end products.

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