

DESCRIPTION

EPO FIBER is a multifilament fiber for improving the characteristics of construction elements made of concrete, Mortar and gypsum. The fiber will ensure uniform and fast three-dimensional distribution throughout the Matrix.

EPO FIBER efficiently reduces shrinkage cracking in the early setting phase.

EPO FIBER prevents sedimentation-the subsequent settlement of the matrix and creates high level of concrete structures exposed to aggressive waters.

APPLICATION

EPO FIBER can be used wherever the purpose is to control plastic shrinkage and to distribute secondary bending stresses. This fiber is employed in the production of floor slabs, prefabricated elements, sub-flooring, stucco works, shotcrete and in products made of plaster. It meets all the criteria and specifications expected of a pure, multifilament polyolefine fibre used as plastic shrinkage reinforcements.

DOSAGE

The recommended addition rate for screeds is min.0.6kg/m³ to max.0.9kg/m³. For concrete structures, the standard addition rate is 0.9kg/m³. For shotcrete and other special applications, individual addition rates are suggested.

For increased fire resistance, an addition rate of 2 kg/m³ is generally recommended.

EPO FIBER is available in standard lengths of 12 mm (type 127).

INSTRUCTION FOR USE

The Addition of **EPO FIBER** 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 and extension of the mixing time.

EPO FIBER can also be added directly to mobile concrete mixtures. The rule here is per m³ of matrix, 1 minute mixing time at maximum rpm of the mixing drum.

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

EPO FIBER can be readily processed with any additives known to us.

Caution: The addition of **EPO FIBER** will increase the rigidity of the concrete, Optimize the desired placement consistency using concrete plasticizer. Do not add any additional water.

PRODUCT DATA

Material	Pure Polyolefin
Production Standard	EN 14889-2
Country of Origin	Switzerland
Form	Multifilament
Bulk Density	0.910
Length	12 mm ± 5 %
Colour	Pure White
Resistance to Acid/Alkali	Inert
Tensile Strength	≈ 270 N/mm ²
Softening Point	≈ 160°C
Diameter	≈ 32°C
Packaging	Bags : 600g
	Boxes : 30 bags of 600g = 18 kg
	Pallets : 30 Boxes = 540 kg

SAFETY PRECAUTION

EPO FIBER is Non-toxic and non- flammable, Can be stored under standard condition for long time.