

FIBRE PP



Synthetic fibres in monofilament polypropylene

DESCRIPTION:

Synthetic fibres for concrete produced in the form of microfilaments, aimed at dramatically reducing cracking due to the plastic shrinkage of concrete. PP FIBRES are used secondary reinforcement to increase concrete durability: screeds and foundations, beds, slabs, paving for civil and residential building, etc.

FEATURES:

- Cracked on the surface, their adherence to the mixture is excellent and allows a good tensile strength; They are dispersed very rapidly and are evenly distributed in the concrete mass;
- The fibers constitute a three-dimensional reinforcement.

During the concrete setting, the PP FIBERS oppose the plastic shrinkage cracking due to their tensile strength, reduce the permeability and avoid the drawbacks deriving from the deburring. After hardening the concrete, they improve the resistance of the concrete applied to the abrasion, to the impacts, to the freeze-thaw cycles, and increase its durability in an aggressive environment.

They do not constitute a structural reinforcement of the concrete.

They allow the elimination of the anti-cracking reinforcement trellis in the flooring.

INSTRUCTIONS FOR USE:

The PP FIBERS are incorporated into the concrete without having to change the mixing time or the mixing water dosage.

They can be added directly to the mixer truck, taking care to mix for 5 minutes starting from their introduction.

FIELD OF USE:

- Plate floors
- Industrial floors
- screeds
- Prefabricated elements
- Tanks
- Pumped concrete
- Projected concretes
- Plasters.

DOSES:

The average dosage of FIBER PP is a bag-dose (0.600 kg) per m³ of concrete. This dosage allows to introduce in the concrete about 200-250 million fibers per m³.

FEATURES:

Colour	white
Density	0,600 g/ml
Length	18 mm
Nominal thickness	30 µm
Fusion point	160 °C
Tensile strength	37 N/mm ²
Chemical resistance	inert
Young form	1410 MPa



PACKAGES:

Water-soluble bags of: 0.600 kg, assembled in cardboard boxes of n. 42, pieces per pallet 960.

SECURITY:

The handling of FIBER PP is not dangerous.

For more information consult the safety data sheet, available on request.



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