



POLYPROPYLENE FIBRES, 6MM AND 12 MM LONG, FOR CONCRETE.



PRODUCT DESCRIPTION

Betofibre 25 are synthetic fibers in polypropylene for fiber-reinforced concrete with controlled shrinkage that are fireresistant to reduce the explosion risk of concrete and in case of fire the phenomenon of spalling.

FIELD OF APPLICATION

- Prevent shrinkage in ready-mix concrete and precast concrete.
- Fire-resistant concrete structures.
- Precast concrete segments for final lining of tunnels, etc.

CHARACTERISTICS

The nature and the geometrical shape of the fiber allow maintaining workability of the mix, modifying slightly the mix rheology. The use of Betofibre 25 is particularly suitable for concrete batching in the construction of fire-resistant structures, such as either the shotcrete primary lining or the final lining of tunnels, especially when made of precast segments. The presence of polypropylene fibers within the cement matrix in fact reduces, in case of fire, the phenomenon of spalling. The Betofibre 25 meets the principles of EN 14889-2 for fibers for non-structural use

APPLICATION PROCEDURE

Betofibre 25 is either added simultaneously with the water. Betofibre 25 may be combined with many other products and is compatible with all types of cements and cementitious materials.

DOSAGE

May be added to concrete at a dosage of 0.9-2.5 kg per cubic meter, depending on the required performance.

PACKAGING

Betofibre 25 is supplied in:
– 1 kg plastic bag.

SHELF LIFE-STORAGE

Original sealed packaging of this product is guaranteed to be of first quality for 12 months if stored in a dry area. The high humidity will reduce the shelf life of the bagged product.

SAFETY INSTRUCTION

BETOFIBRE 25 is an article and referring to the current European regulations (Reg. 1906/2007/CE - REACH) does not require the preparation of the Safety Data Sheet. During use it is recommended to wear protective gloves and goggles and follow the safety requirements of the workplace. PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA

Product identity	
Color	White
Appearance	Fiber with circular cross section
Length (EN 14889-2) (mm)	25
Specific Density (g/cm ³)	≤0.91
Equivalent diameter (EN 14889-2) (μm)	18



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