

## **Neotex® PP Fiber 12mm**

### **Polypropylene fibers for concrete and mortars**



#### **Description**

Specially processed polypropylene fibers of 12mm length and 18µm diameter for reinforcing concrete and mortars

#### **Fields of application**

Added in concrete and mortars for a wide variety of applications, such as in the construction of industrial floors and tanks, in swimming pools or silos, in road works, in repairing works, plaster applications, in underfloor heating cement screeds, in prefabricated concrete elements, shotcrete applications, etc.



#### **Packing**

600gr in biodegradable paper bags

#### **Properties - Advantages**

- Offer minimization of the cracking (due to plastic shrinkage during drying) and the deformations, as well as improvement of critical mechanical properties
- Easily dispersed in the mixture and provide excellent cohesion, ensuring at the same time that the mixture may be easily laid
- Present high resistance to alkalis, acids and salts
- Provide flexibility and improve the impact and abrasion resistance, as well as the durability of the final surface
- Do not affect the finish of the mortars
- CE certified acc. to EN 14889-2

#### **Technical characteristics**

Type of polymer	Polypropylene
Grade	Ia
Fiber length	12mm (±1)
Fiber diameter (EN ISO 1973)	18µm (±10%)
Linear density	2,2 dtex (±10%)
Tensile strength (EN ISO 5079)	>3cN/dtex
Elongation (EN ISO 5079)	>50%



Effect on the cohesion of concrete for proportion of 900gr/m <sup>3</sup> (EN 12350-3 / EN 14845-1)	8,1s (Vebe time)
Cohesion of reference concrete (EN 12350-3 / EN 14845-1)	7,3s (Vebe time)
<b>Proportion: 600-1.000gr/m<sup>3</sup> of concrete or mortar</b> (Usual recommended proportion for most fields of applications)	

## Instructions for use

The polypropylene fibers **Neotex® PP Fiber 12mm** are added in the still fresh mixture of concrete/mortar, in the required amount depending on the volume of the mixture while mechanically stirring at the same time with a suitable stirrer.

## Special notes

- **Neotex® PP Fiber 12mm** is added in mixtures with aggregates smaller than 10mm
- During the laying of concrete or the application of mortars, the standard regulations should be followed and the proper maintenance instructions should be implemented during the curing period
- The polypropylene fibers do not replace static reinforcement

<b>Colour</b>	White
<b>Packing</b>	600gr in biodegradable paper bags, available in cartons of 30 pieces
<b>Storage stability</b>	Unlimited, if kept in the original sealed packaging, protected from frost, humidity and exposure to solar radiation.

The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX® SA. It is offered as a service to designers and contractors to help them find potential solutions. However, as a supplier, NEOTEX® SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.

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