



Very  
High  
Durability  
Repair &  
Prevention  
System



Certified Quality System since **FEBRUARY 1993**

*From Project to Jobsite*

## FIBRE-tec PLP 15/06

### SYNTHETIC FIBRE FOR CONCRETE AND MORTAR

**CE** approved EN 14889-2 :2006

**Description** The FIBRE-tec PLP 15/06 fibres are produced with a polymer mixture based on white polypropylene, admixed with agents that make the fibres UV resistant and resistant to the alkali content of the cement. The special shape ensures the rapid and homogeneous dispersion in the mixtures to which they are added.  
FIBRE-tec PLP 15/06 can be mixed easily in anhydrous products.  
FIBRE-tec PLP 15/06 are compatible with almost any additive for concrete.

- Advantages**
- Ease of use and increased plasticity, workability and thixotropy of the mixture;
  - With dosage of  $1 \div 2 \text{ Kg} / \text{m}^3$  fire resistance of concrete elements can be obtained;
  - Uniform distribution of stresses from plastic or hydraulic shrinkage, resulting in reduction of cracking phenomena.
  - Increased resistance to freeze-thaw, carbonation, abrasion and impact.
  - Elimination of micro-cracks, with significant increased waterproofing properties
  - Replacement of non-structural reinforcement meshes;
  - Reduction of curing time in the formwork resulting in increased productivity
  - Increased workability and cohesiveness of the mixtures.

**Technical Characteristics (typical values)**

• Diameter:	28 $\mu\text{m}$
• Length:	6 mm
• Tensile strength:	500 MPa
• Elasticity Modulus:	4900 MPa
• Dosage:	$0,6 \div 1,5 \text{ Kg/m}^3$

1  $\text{Kg/m}^3 = > 500.000.000$  of fibers!  
= > 3.000 Km!

- Indications of use**
- Renders
  - Restoration and consolidation
  - Industrial and civil pavements
  - Floors in heated or refrigerated areas
  - tanks, manholes, pipes, fences, road barriers
  - Fairfaced concrete
  - Joints
  - Thin slabs and infill
  - screeds for paving
  - Precast elements
  - Reinforced and unreinforced concrete
  - special pre-pack mortars
  - Sprayconcrete



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**Method of use** FIBRE-tec PLP 15/06 are added directly into the concrete mixer or in the truck-mixer during the production of the concrete or mortar, taking into consideration to mix 5 to 10 minutes longer.

Dosage: about 200-300 gr. for each 100 Kg cement.

**Remarks** Store in a cool, dry place in its original packaging

**Packaging** The FIBRE-tec PLP 15/06 fibres are 6 mm long and packed in bigbags / boxes of 450 kg, 5 kg bags or bags of 1 Kg.

**Safety indications** Read carefully the information on the packaging or eventually demand the specific safety datasheet for this product.

This information is based on our experiences and latest laboratory testing. The above information may be subject to modifications, which will be announced in the updated technical datasheets. Eventual changes to the information on top will be announced on [www.tecnochem.it](http://www.tecnochem.it) in which the technical datasheets are updated regularly and always the most updated can be found. Tecnochem Italiana cannot held responsible for poor results that are due to causes unconnected to the quality if the product or for defects deriving from factors different than the quality of the product including the wrong storage.

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