

POLYPROPYLENE FIBRE

POLYPROPYLENE FIBRES FOR CONCRETE

DESCRIPTION

Polypropylene fibres that improve the basic performance properties of concrete and other building materials show great ease of distribution in concrete and mortar.

TECHNICAL EFFECTS

- Increasing the strength parameters of concrete
- Dramatic elimination of shrinkage cracks on the surface of the concrete and throughout its volume
- Increasing the watertightness and frost resistance of concrete
- Increased resistance to abrasion and chipping
- Internal treatment of airtight concrete

USE

- Indispensable concrete additive for industrial floors and cement screeds
- Additive for structural, traffic and hydraulic concretes
- Strengthening additive for dry mortar mixes and adhesives
- Replacement for steel shrinkage protection nets

NORMS

- The product meets all the requirements of standard (PN) EN 14889-2
- A Declaration of Conformity is issued for each batch based on the product test report.

TECHNICAL DATA

Thickness	<i>2,2 dtex</i>
Diameter	<i>18 μm</i>
Cutting length	<i>Fibers: 12 mm</i>
Material	<i>polypropylene C3H6</i>
Density	<i>0,91 g/cm³</i>
Tensile strength	<i>28 cN/Tex</i>
Fibre profile	<i>circular</i>
Absorbability	<i>0%</i>
Chemical resistance	<i>full</i>
Colour	<i>transparent/white</i>
Distribution in concrete	<i>very good</i>

DOSING

- 0,4 - 0,6 kg per 1m³ betonu (12 mm length)

METHOD OF APPLICATION

- Fibres are added to the concrete or screed mortar mix after pouring in the aggregates and before adding the cement, water and liquid additives.
- For screed mortar, the fibres are added in the correct proportion to the mixer after mixing in the batch water

INFLUENCE ON THE CONSISTENCY OF THE CONCRETE

- Fibre length 12 mm consistency at a fibre content of 0.6 kg/m³:
VeBe time 10.3 sec.

PACKAGING

Fibers:

- 0.6 kg bags (bulk packaging: 48 pcs. x 0,6 kg = 28,80 kg)

STORAGE

- Store in dry conditions

SHELF LIFE

- Indefinite

ENVIRONMENT PROTECTION

- The product may contaminate water and should therefore not be disposed of directly into drains, soil or surface water.

HEALTH AND SAFETY REQUIREMENTS

- Information on the safe use of the product is available in the Safety Data Sheet

APPROVALS / STANDARDS

- The product meets all the requirements of EN 14889-2:2007: fibres for concrete - part 2, polymer fibres for non-load-bearing applications - class I.

Note: The above information has been compiled to the best of our technical knowledge, but is not legally binding.