

REC FIBER PP 173

Synthetic fibers additive to concrete and plaster

DESCRIPTION

The **Rec Fiber PP 173** is a high-performance microfilaments propylene fiber designed and formulated specially for the use in mortar and concrete. It is available in different length 6 mm, 12 mm, 18 mm, 20 mm and 50 mm. It is used to inhibit the occurrence of small cracks which can occur through plastic shrinkage, premature drying, and early thermal volume changes of the hardened cementitious materials. Due to their specific characteristics and ease of dispersion in concrete, they can be mixed at any stage in the concrete regardless of the consistency of concrete. They are extremely resistant to alkali. In addition, they adhere chemically to the matrix of the cement which highly contribute to the reinforcement and durability of the concrete and mortar. The hydration of the cement as well as mixing water requirement of concrete and mortar are not affected by the use of **Rec Fiber PP 173** fibers

SCOPE OF USE

- Industrial flooring
- Precast
- Gunned concrete and mortar
- Tanks, silo
- Rendering

ADVANTAGES

Since they are completely integrated in the structure of the concrete and mortar, they constitute a secondary reinforcement which improves the general material characteristics:

- Mechanical strength
- Abrasion resistance
- Impact resistance
- Concrete durability

TECHNICAL INFORMATION

Color	White
Specific gravity	0.91
Alkali Content	Nil
Sulphate content	Nil
Air entrainment	Air content of the concrete will not be significantly increased
Chloride content	Nil
Young's modulus	3000 - 3750 MPa 4000-5500 Mpa (Size 12mm)
Constituents	Virgin polypropylene
Fiber thickness	18 - 30 micron
Melting point	>160°C
Rec Fiber PP 173 conform to ASTM C-1116	

SHELF LIFE

Should be stored in dry conditions up to 3 years

DIRECTION OF USE

Rec Fiber PP 173 fibers could be introduced in dry or wet mixing. Since they have the advantage of mixing in concrete or mortar in all phases. They could be even introduced in truck mixers, in which case 5 min. of mixing would be required.

DOSAGE RATES

0.60 to 0.9 kg/m³. Excessive overdosing will generally produce a reduction in workability, and an increase in the cohesiveness of the mixture.

PACKAGING AND SHELF-LIFE

23kg paper bag

HEALTH & SAFETY

In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention. paste. Use surface adhesion

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality

DISCLAIMER

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