

# PPF Fiber

High performance fibrillated polypropylene fibers



## Description

PPF Fiber is a micro reinforcement, manufactured of 100% polypropylene fibers containing no reprocessed olefin materials designed for use with all cementitious mixes. The inclusion of PPF Fiber within a concrete mix or cementitious mixes will control shrinkage cracks and will act as an alternative to traditional crack control steel mesh.

## Applications

PPF Fiber is ideally designed for use in the following applications:

- ▲ Slab on grade.
- ▲ Stamped concrete.
- ▲ Pre-cast concrete.
- ▲ Water tanks.
- ▲ Pavements.
- ▲ Shotcrete.
- ▲ Renders.
- ▲ Composite decks.

## Advantages

- ▲ Controls and inhibits crack formation in concrete.
- ▲ Reduce plastic shrinkage and settlement cracking.
- ▲ Available in variable lengths, 19 and 12 mm for concrete and stamped concrete. 3 and 6 mm for plasters and mortars.
- ▲ Compatible with all types of cement and concrete admixtures.
- ▲ Rust free.

## Standards

PPF Fiber complies with the requirements of ASTM C-1116-1997, Type 3.

## Method of Use

### Mixing

PPF Fiber is added to the mixer before, during or after batching of concrete. Mixing speed and time should be as per ASTM C-94.

## Technical Properties:

|                   |                         |
|-------------------|-------------------------|
| Composition:      | Polypropylene           |
| Appearance:       | Fibrillated mini bundle |
| Specific gravity: | 0.90 kg/ltr             |
| Tensile strength: | 650 - 690 MPa           |
| Young's modulus:  | 3.8 - 4.2 GPa           |
| Melting point:    | 160°C                   |
| Ignition point:   | 580°C                   |
| Chloride content: | Nil                     |
| Sulphate content: | Nil                     |
| Alkali content:   | Nil                     |

## Packaging

40, 19, 12, 3 and 6 mm fiber length : 125 g/bag.

## Dosage

125 g/50 kg of cement.

## Storage

Store under cover away from heat sources.

## Cautions

## Health and Safety

There are no health hazards associated with PPF Fiber in normal use.

## Fire

PPF Fiber is combustible and will burn if exposed to flame or other sources of ignition.

# PPF Fiber

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- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

**Note:**

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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