TECHNICAL DATA SHEET

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MULTI CONSTRUCTION CHEMICALS
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MULTI POLYPROPYLENE FIBRES

DESCRIPTION

The fibres are made up of polypropylene homopolymer fibre of straight multi filament, measuring 30-40 microns in diameter, cut to lengths between 6-36 mm. The fibre surfaces are treated to improve initial dispersion and bond in the concrete.

ADVANTAGES & BENEFITS

- Reduced plastic shrinkage cracks
- Reduced plastic settlement
- Reduced bleeding
- Reduced water and chemical permeability
- Alternative to crack control mesh

NOTE : Fibre re-inforced concrete CANNOT be used as a substitute for structural steel reinforced concrete.

GENERAL APPLICATIONS

- Internal floors
- External hard standing
- Precast concrete
- Water retaining structures
- Repair materials
- Concrete structures

MIXING DIRECTIONS

The fibres should ideally be added to the concrete at the batch plant, during mixing.

When this is not possible the fibres can be added on site into the back of the truck mixer. A minimum of 70 drum revolutions is required to ensure uniform dispersion of the fibres (3 to5 minutes on site mixing in the back of a RMC truck).

PACKAGING & DISPENSING

The fibres are packed in water soluble bags. The bags are added to the mixer unopened at the required/specified dosage rate (typically 1 bag 600 gram per cubic metre).

SPECIFICATIONS

Material : 100 % Virgin Polypropylene Homopolymer Chemical Abstract No. 9003-07-0

Fibre Type : Straight multifilament fibre.

Density: 0.91 g/cm³ (ISO 1183)

Melting Point: 160ºC (ISO 3146)

Fibre Diameter: 40µm (other sizes available)

Fibre Length: 6-36 mm

Colour: White

Dosage: 600g-2000g per m³ (dependent on engineers specification)

Presentation: 0.6kg, 0.9kg, 1.0kg soluble paper packets

Packaging: Cardboard boxes

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