



Product Data Sheet - Emesh by Fibercon

Description

Fibercon – Emesh
100% Recycled Plastic Macro Polyfibres – 47mm Long
Structural Macro Fibres offer post crack performance.

Features

- Provides good impact, fatigue and shrinkage control in all grade concretes
- Easy to use in all concrete
- Its positive mechanical anchorage gives exceptional 3 dimensional post crack control
- Mixes consistently and uniformly
- VERY ECONOMICAL

Estimating Data

The dose rate of fibre is dependent on the application however the minimum dose is 4kg/m³ and then it will increase in increments of 1kg/m³ accordingly up to 8kg

Typical Applications

The Fibercon Emesh is suited to all non structural concrete applications

- Footpaths, Cycleways
- Pavements and Slab on Groud
- Shotcrete
- Open Channels
- Precast Products

Technical Information

Fibre	100% Recycled Macro Poly
Minimum Tensile Strength	400 MPa
Fibre length	47mm
Thickness - Equivalent	< 0.5 mm
Tolerances	+ or - 5%
Aspect ratio	100
Anchorage	Diamond Indent Continuously Deformed
Appearance	Grey Macro
Complying	ASTM C 1116, Type III.

Packaging

Emesh by Fibercon fibres come in 3kg boxes

Safety

It is recommended that when handling or adding the Emesh Fibercon fibres to concrete that gloves and eye protection be worn

How should a Emesh Fibercon Specification Read ?

Emesh – 100% Recycled Macro Plastic Fibres

To achieve the best performance from your Emesh in your concrete and maximum CO₂ reductions, *the specifications are*

- Emesh Fibres by Fibercon reinforcement added to the concrete at 4 or 6 kg/m³
- Fibres are to be made solely from 100% recycled polypropylene and to be 47mm in length.

Fibres will conform to provisions of:

- Emesh Fibres – CO₂ reductions of 90% in accordance to ISO14040
- TR65 - Guidance on the Use of Macro-Synthetic Fibre Reinforced Concrete
- ASTM – C 1116 03 – Standards for Specification for Fibre Reinforced Concrete and Shot Crete
- BS EN 14889 - Fibres for concrete – Part 2 – Polymer Fibres.