

AddChem MF®



Description

AddChem MF® is monofilament polypropylene, high performance, value added synthetic fibers for use in the construction industry and reduce the occurrence of plastic shrinkage and plastic settlement cracking, whilst enhancing the surface properties and durability of hardened cementitious products.

Advantages

- Reduced Plastic Shrinkage Cracks.
- Reduced Plastic Settlement.
- Reduced Bleeding.
- Alternative to Crack Control Mesh.
- Reduced Water & Chemical Permeability.
- Reduced Explosive Spalling in Fire.
- Increased Abrasion Properties.
- Increased Compressive Strength.
- Increased Flexural Strength.

Uses

AddChem MF® is ideal to:

- Internal Floor Slabs.
- Water Retaining Structures.
- Concrete Buildings.
- Repair Materials.
- External Hard Standings.
- Pattern Imprinted Concrete.
- Precast Concrete.
- Tunnels.
- Extruded Concrete.
- Agricultural Areas.
- Piling Concrete.
- Shotcrete/Gunit.



Technical Properties

Properties	Value
Material	Polyolefin 100%
Specific gravity	0.91 g/cm ³
Diameter	0.3 : 0.5 mm
Length	48 mm
Design	Monofilament
Compressive strength	550 : 800 Mpa
Modulus of elasticity	3.5 KN/mm ²
Melting point	160°C
Colour	Natural
Resistance to acid	Excellent
Resistance to alkaline	Excellent

Standards Compliance

- ASTM C1018.
- C1116 BBA certificate No. 92/2830.

AddChem MF®

Packaging

AddChem MF® is available in 5 Kg bags.

Dosage

Recommended dosage: 3.0 – 5.0 kg/m³.

Processing Indications

AddChem MF® is either added into the dry batch or into the wet concrete mixture. Addition to the dry batch Insert fibres as first component and add 13/ of the required tempering water. Afterwards the aggregates and cement should be adjoined. Addition to the wet mixture Insert fibres as last component. The mixing time must comply with the regulations defined in EN 206-1.

Shelf Life

Shelf life is up to 12 months when stored as per recommendations.

Quality

All products manufactured by iChemEG, or imported from iChemEG affiliate companies worldwide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems.

Health & Safety

AddChem MF® is non flammable or health hazard. PPE in accordance with the health and safety rules should be used during the materials application. Residues of material must be removed according to local regulations.

Technical Support

For any technical support, please contact iChem technical office or representatives

