

FIBROMAC® POLYMER FIBRES FOR CONCRETE REINFORCEMENT

SPECIFICATIONS

PROPERTIES

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|--------------------------------------|---|
| Use | Fibromac® mono-filament fibre for use within the concrete matrix to reduce shrinkage and micro-cracking and explosive spalling in the event of fire. |
| Type | Mono-filament virgin polypropylene fibre |
| Applications | Controls plastic shrinkage cracking in concrete, mortar and grout. Reduces explosive spalling and damage in the event of fire. Used in jointless flooring, precast concrete, industrial flooring, sprayed concrete, and tunnelling. |
| Packaging | Fibromac® fibres are packaged in 1000g biodegradable bags - 20 bags per box and 30 boxes per pallet. |
| Storage | Preserve the pallets from atmospheric corrosion. For correct waste disposal of packaging material, please follow the directives stated in European Directives and on National Laws. |
| Dosage | Maccaferri can supply a range of machines depending on the application and size of the project. These are available to rent or purchase depending upon project requirements. |
| Tensile Strength | 500 MPa |
| Elongation at Break | >20 % |
| Youngs' Modulus of Elasticity | 3500 - 3900 MPa |
| Reference Standards | UNI-EN 14845-2:2007: Test method for fibres in concrete - Part 2: Effect on concrete BS-EN 14889-2: Fibres for concrete - Part 2: Polymer Fibres—Definition, specifications & conformity ISO 834: Fire resistance tests |

TECHNICAL CHARACTERISTICS

| | |
|----------------------|---|
| Density | 910 kg/m ³ (0.91 g/cm ³) |
| Melting Point | 160°C |
| Length | 6-12 mm nominal |
| Diameter | 18µm (0.018mm) |



Fibromac® FR

Maccaferri reserves the right to alter specifications of its products without notice.
Please contact us for the most up to date specifications.

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