

Polymono

Increased Reliability And Maximized Service Life For Concrete Linings

Fibers improve the crack resistance of concrete structures, making them safer and more reliable over the entire span of service life. They are easy to use and can be directly mixed into concrete, eliminating the time and effort needed to transport and install traditional mesh. Fibers also reduce freeze / thaw damage and penetration from water and chemicals due to three-dimensional effect of the fibers within the concrete mix. Polymono is heavily used in concrete and shotcrete applications due to high binding ability. High binding ability hampers micro-cracks.

Applications

- Repair Mortars
- Plaster Applications
- Construction Chemicals
- Screed Concrete
- Shotcrete
- Tunnel Applications
- Residential Buildings
- Coating Concrete
- Industrial Floors
- Field Concrete
- Pre-cast Applications

Product Types

Construction Chemicals

Polymono 3
Polymono 6

Concrete Applications

Polymono 12
Polymono 18

Packaging Types

- 600 gr, 900 gr water soluble PE packs
- 5 kg plastic bags
- Custom packaging alternatives by application requirements

Application Range

600 gr - 2 kg/m³

Dosing

Micro synthetic fibers should be added to the ready mix truck at the recommended dosage for each cubic meter. For adequate mixing high speed, 5 to 6 minutes revolutions are required after the addition of final dosage.

Storage & Disposal

It is recommended to store fibers within original packages, between +5°C and 30°C, protected from moisture and direct sunlight.

It is the responsibility of the end user to dispose the product and the package.



Composition	100% virgin polypropylene
Type	Monofilament micro fiber
Impurity	First class pure polypropylene without olefin, polyamide, nylon
Cross Section	Circular
Standard	EN 14889 Part II Type 1A, ASTM C1116 Type III
Tensile Strength	467 - 548 MPa
Elastic Modulus	4048 - 5674 MPa
Elongation	20 - 25%
Specific Weight	0.91 gram / cm ³
Durability	6.5 - 7.0 gr / Denier - High Strength
Color	Transparent
Melting Point	160°C
Number of Fibers	120 million+ / kg
Surface Area	140 m ² /kg
Chemical Resistance	Alkali and acid resistance
Oxidant Resistance	Excellent
Biological Resistance	Excellent
Cement Compatibility	Excellent
Water Absorption	N/A - Hydrophobic



ASTM
INTERNATIONAL

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