

[®]
POLIMIX

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Polypropylene Fibres

The POLIMIX[®] polypropylene fibres have been developed specially for reinforcing the concrete during the first 10-12 hours of hardening process.

BENEFITS:

Prevents the formation of plastic shrinkage cracks, (especially for workfloors and roads) due to the increase of the tenacity of “green” concrete.

FIELDS OF USE:

Industrial floors.
Outdoor concrete slabs.
Concrete walls.
Prefabricated segments.
Dry mortars.

TECHNICAL CHARACTERISTICS:

Raw Material: Polypropylene
Density: 910 kg/m³
Fibre Length: 6-12 mm
Fibre Diameter: 31 µm
Colour: Transparent
Breaking Strength: 400 MPa
E-modulus: 3500-3900 N/mm²
Water absorption: 0 %

DOSAGE :

Screed: min. 600 gr/m³, max. 2700 gr/m³
Concrete/shotcrete: min. 900 gr/m³, max. 5000 gr/m³
No limit of use.

PROCESSING:

When adding 900 grams of fibres per m³ (0.1 %), there is no need to adapt the composition of the concrete. Where greater quantities of fibre are added, the W/C factor should be increased by 5 to 10 % in order to maintain the same working qualities.

PACKAGING:

In not dissolving paper bags, 900 gr/bag. 20 bags per box, net 18 kg.
25 boxes per pallet 80 x 120 cm, net 450 kg.

SAFETY:

No ecological, toxicological or safety risks. Fibres that stick out disappear with polishing. On unpolished concrete, they can be removed with a flame torch.

„You can bet on Betonmix!”