

Plasticfibre M50



PRODUCT DESCRIPTION

Plasticfibre M50 is a macro fibre made of the plastic material polypropylene.

Plasticfibre M50 is a fibre for structural reinforcement of concrete. The fibre has good mechanical and chemical qualities for use in concrete.

QUALITIES

- Low density, hence lower dosage compared to steel fibre
- Chemically inactive
- Suitable for corrosive environments
- Durability: not attacked by acids or solvents
- Alkali-resistant
- No health risk
- Supplied in 4 kg paperbag

AREA OF USE

Plasticfibre M50 is suitable for reinforcement for concrete floors on ground for preventing crack formation during the early stages of hydration. Notice that concrete casted on ground should be protected against drying independent of fibre type and dosage. These kind of protections could be watering of the concrete surface, covering the concrete with plastic sheets or use of membrane hardener.

Plasticfibre M50 is suitable for concrete slabs and constructions exposed to variable loads which must deal with smaller impacts, but no continuous load bearing over time:

- Garage floors/parking areas
- Docks
- Concrete blocks
- Casted concrete security fences

MIXING AND DOSAGE

The best practice is to add fibres into the concrete mixing machine. Alternatively the fibres could be dosed into concrete in the concrete truck.

When dosing fibres into concrete trucks, please ensure that the automixer runs on full speed while dosing and maintain full speed for an additional five minutes after dosage.

Recommended dosage in concrete on ground is 3,0 - 5,0 kg/m³.

PACKAGING

The fibre is supplied in paper bags of 4 kg, 224 bags on pallet. Net weight pallet is 896 kg.

STORAGE

Fibres should be stored in dry conditions. Water and humidity can cause the paper bag to dissolve. Keep out of direct sunlight.

SAFETY INSTRUCTIONS FOR PREPARATION AND USE

Plasticfibre M50 is an article and referring to the current European regulations (Reg. 1906/2007/CE/ - REACH) does not require the preparation of the material safety data sheet. During use it is recommended to wear gloves, and goggles and follow the safety requirements of the workplace.

PRODUCT FOR PROFESSIONAL USE

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above - information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the technical data sheet, available from our web site www.mapei.no

**All relevant references
for the product are available
upon request and from
www.mapei.no**

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Material:	polypropylene
Fibre length, mm:	50 (± 10 %)
Fibre width/-thickness mm:	1.28/0.81 (average: 1.1) (± 10 %)
Material density, g/cm ³ :	0.91
E-modulus, N/mm ² :	2590
Melting point, °C:	160
Tensile strength, N/mm ² :	420