

Product Description

Description TM poly is a polypropylene fiber that reduces the occurrence of plastic shrinkage and plastic settlement cracking, whilst enhancing the surface properties and durability of hardened cementitious products.

Uses

- For flooring application as a hybrid or reinforcement system.
- To increase concrete crack resistance.
- decorative Light weight concrete for higher crack resistance.
- Water Retaining Structures. .
- in structures where no steel reinforcement is needed , but crack resistance is required .
- Repair Materials.
- Road Pavements , and new Jersey Blocks.
- Precast Concrete, Shotcrete.

Advantages

- Reduced plastic settlement and shrinkage cracking.
- Reduced bleeding.
- Reduced water and chemical permeability.
- Increased abrasion resistance.
- Increased impact resistance.
- Alternative to crack control mesh with the appropriate design.

Packaging

Packaging is supplied in 900 gm plastic or degradable paper bags.

Properties

Additive: Surface active agent

Density 0.90 gm nominal.

Specific Surface Area 250 sq meter per KG

Tensile Strength [N/mm²] 250 – 400

Color and form: Natural.

Melt Point 160 °C

Length: 12/18mm

Absorption - None.

Acid Resistance - High.

Alkali Resistance - High .

Dispensing

Fibres should ideally be added at the batching plant; if not possible addition at site will be accepted.

If mixing at the batching plant, fibres should be the first constituent, along with the mixing water. After all the other ingredients have been added, the concrete should be mixed for a minimum of 70 revolutions at full speed to ensure uniform fibre dispersion.

In the case of site mixing, a minimum of 70 drum revolutions is highly recommended.

Dosage

Recommended Dosage is 600 - 900 gm per M3.
"based on the casted object "

Storage

TM -Poly XT must be stored on a clean surface, in dry conditions, under cover and away from the possibility of damage.
Avoid direct sun light
keep in cool shaded area .

Precautions

For more info please revert to TM site sheets.

