

Estop PP Fibre

Polypropylene Fibres for Concrete

Description

Estop PP Fibre is a macro synthetic fibre for concrete. This can be attributed mainly to the huge improvement in post-crack performance.

Uses

Estop PP Fibre can be used in wide application for example:

- Wall Plastering
- Toppings and Overlays
- Screeding for RC roof
- Secondary reinforcement
- Pre-cast Concrete and Sections
- Median Barriers
- Shotcrete Application
- Patching
- Bridge Deck
- Sidewalk
- Water Reservoir

Advantages

The advantages promoted by the use of **Estop PP Fibre** include:

- Reduce Plastic Shrinkage
- Reduce Plastic Settlement
- Reduce Segregation
- Improved Hydration
- No corrosion in concrete
- Reduce permeability of concrete

Standards Compliance

- **BS EN 14889-2:2006**

Physical Properties

Material	100% virgin polypropylene
Colour	White
Length, mm	12
Mass, denier	15
Specific Gravity, kg/dm ³	0.9
E-modulus, N/mm ²	3500
Tensile Strength, N/mm ²	400
Elongation at Break, %	15
Melting Point, °C	160 – 170

Application Instructions

General

- Preferably use a central batching plant mixer
- A continuous grading is preferred
- Mix until all fibres are homogenously spread over the mix
- A preliminary test is recommended

Fibre Addition

In batching plant mixer

- Never add fibres as first component in the mixer
- Fibres can be introduced together with sand and aggregates, or added in freshly mixed concrete

Truck mixer

- Run mixer at drum speed : 12 – 18 rpm
- Adjust slump to a min of 12 cm (Preferably with water reducing agents or high water reducing agents)
- Add the fibres at maximum speed of 5 kg/min
- After adding the fibres, continue mixing at highest speed for 4 – 5 min. (± 70 rotations)

Packing & Size

Estop PP Fibre	0.6kg / bag
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Technical Support

Estop offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

Storage

Protect the **Estop PP Fibre** on pallet against rain. Do not stack the pallets on top of each other.

Additional Information

Estop manufactures and offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.