

K2 CONFIBRE

Fibre Reinforcement for Concrete and Mortar

Description:

CONFIBRE is a high performance micro polypropylene fibre Used as a crack controlling additive for concrete and mortar. It inhibits the formation of small cracks which can occur due to plastic shrinkage and early thermal changes. It enhances Tensile and Compressive strength which improves the durability of the structure.

Area of Application:

- Specifically designed for crack control in all types. of Concrete and mortar materials
- Internal & external plaster
- Terrace slab, Industrial floors
- Concrete roads

- Precast concrete and concrete repairs.

Benefits:

- Disperses uniformly throughout the mix.
- Inhibits intrinsic cracking in concrete.
- Improve tensile, flexural and compressive strength.
- Reduce Permeability hence ensures water tightness & improved durability.
- Increases impact and abrasion resistance.
- Free from corrosive substances.
- Reduce risk of subsequent damage.

Technical Properties:

Properties	Result
Appearance	Lustrous white rough surface
Size	6 & 12 mm
Thickness	6 Denier
Constituents	Virgin Polypropylene
Specific gravity	0.90 - 0.91 g/cm ³
Alkali, Sulphate and Chloride content	Nil
Melting Point	160 °C
Breaking Elongation,	> 50 %
Thermal Conductivity	Low
Flexural Strength	7 to 20 % (Gain Over Normal Mix)
Compressive Strength	5 to 12 % (Gain Over Normal Mix and Selected Grade)
Abrasion Resistance	20 to 25 % (Gain Over Normal Mix)

Standards:

CONFIBRE Conforms to ASTM C -1116 - 89

Application Instruction:

METHOD 1

- Take required amount of water for concrete or mortar in separate container.
- Add required amount of Confibre in the container of water as per recommended dosage.
- Stir the water in the container with the wooden stick in such a way that all fibres of CONFIBRE disperse and collide in water.
- Add this mix in dry mix of mortar or concrete and mix them till homogenous mix is obtained.
- Mortar or concrete is now ready to use.

METHOD 2

- Add CONFIBRE 125 g to 1.5kg cement. Mix well to ensure that all the fibres are dispersed and there are no lumps.
- Take required amount of water for concrete or mortar in separate container.
- Add 75% of the mixed concrete and mortar to

Important Note:

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the CONFIBRE mix, then add the remaining 25% mixture.

- Mix well until homogenous mixture is obtained.

Dosage:

125gm/50kg bag of cement.

Packing:

CONFIBRE is available in 125g pack.

Shelf Life and Storage:

CONFIBRE has a shelf life of 36 months in unopened packs, when stored under normal and dry conditions.

Technical Support:

The company provides a technical service supported by the team of specialist applicators in the industry.