

K FIBRE

Polypropylene Fibre Reinforcement For Concrete and Mortar



Description :

K FIBRE is a unique specially treated fibre reinforcement which instantly disperses out through the mix ensures tensile and compressive strength which improves the durability of structure. Reduces rate of heat evolution, spreading heat of hydration over longer period & reducing thermal cracking effects. Used to reduce plastic & hardened concrete shrinkage.

Benefits :

- Chemically inert
- Easily and instantly disperse into mix
- Improves tensile and compressive strength
- Arrest drying shrinkage cracks
- Reduces permeability hence ensures water tightness
- Reduces density ensures more yield of mix
- Reduces number of construction joints in floor
- Minimises steel reinforcement in industrial floors
- Improves durability
- Can be used with all types of OPC
- Free from corrosive substances
- Improves impact strength, increase fatigue resistance & concrete toughness
- Non corrosive, non-magnetic, chemically inert and 100% alkali proof
- Chloride free – safe in prestressed and reinforced concrete.



Product :

K FIBRE is a unique specially treated fibre reinforcement for concrete & mortar.

Purpose :

To improve tensile and compressive strength of concrete and mortar, also to minimise the cracks and reduces permeability in the mix.

Packing :

90 gm pack

Dosage :

The addition rate of K FIBRE varies with grade of concrete and mortar. For optimum performance 90 gm pack should be used with 50 kg of cement.

Where To Use :

Can be used for Internal Plaster, External Plaster, Concrete Repairs, Terrace Slab, Industrial Floors, Concrete Roads, Precast Concrete, Railway Sleepers etc. K Fiber is recommended where the objective is to control temperature/ shrinkage cracking while improving basic durability.



Technical Properties :

Denier (As per DIN - 53812) - 6.30 ; Tenacity (As per DIN - 53816) - 4.63 ; Material : 100% virgin polypropylene ; Size : (1) Length : 10 to 15mm (2) Diameter : 30 to 100 micron ; Surface characteristics : Lustrous white rough surface ; Elongation : 55% ; Specific Gravity : 0.90 0.91 ; Modulus of Elasticity : 1240 1517 Mpa ; Melting Point : 1600 °C - 1700 °C ; Ignition Point : 5900 °C ; Thermal Conductivity : Low ; Electrical conductivity : Low ; Acid & Salt Resistance : High.



Shelf Life :

36 months from the date of manufacturing.

Health & Safety :

K FIBRE is a non-toxic and non-flammable.

Technical Services :

While new advances and changes will take place one thing will never change is quality and meeting special needs of customer. We are eager to work with you in development of new product and solve your problem.

Note :

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.