



# KUT FIBREUP 6

MIS – 13 - 0104

## DESCRIPTION

**KUT FIBREUP 6** is a high - performance micro polypropylene fibre which complies with the requirements of **ASTM C - 1116** developed as a crack controlling additive for cementitious materials. It is available as monofilament 6 mm in length for plaster and mortar. It is used to inhibit the formation of small cracks which can occur through plastic shrinkage, premature drying and early thermal changes in order to provide utilization of the intrinsic properties of the hardened cementitious material.

## USES

Specifically designed for crack control in cementitious materials covering areas such as conventional shotcrete, screeds, rendering mortars etc.

Principle uses of fibre concrete include pavements, driveways, overlays patch repair, thin concrete, heavy industrial floors, renders, plasters etc.

## ADVANTAGES

- Can replace wire mesh in factory and warehouse floors.
- Inhibits intrinsic cracking in concrete.
- Disperses uniformly throughout the mix.
- Improves finishing characteristics.
- Improves concrete durability.
- Increases impact and abrasion resistance.
- Rustproof.
- Impervious to alkali attack.
- Reduced risk of subsequent damage.

## TYPICAL PROPERTIES

- **Appearance** : Polypropylene fibre.
- **Specific Gravity** : 0.91 g/cm<sup>3</sup>.
- **Alkali Content** : Nil.
- **Sulphate Content** : Nil.
- **Air Entrainment** : Air content of concrete will not be significantly increased.

- **Chloride Content** : Nil.
- **Constituents** : Virgin Polypropylene C<sub>3</sub>H<sub>8</sub>.
- **Fibre Thickness** : 6 Denier.
- **Storage Life** : Maximum 12 months from date of manufacture.
- **Youngs Modulus** : 5500 - 7000 MPA.
- **Tensile Strength** : 360 MPA
- **Melting Point** : 160° C.
- **Compatibility With Other Admixtures And Cements** : **KUT FIBREUP 6** can be used with all types of cement and is compatible with other **KUT** admixtures

## ADDITION METHOD

**KUT FIBREUP 6** is supplied ready to use and in measured quantities for addition to the concrete / render mix whether at the batching plant or on site.

## PACKAGING

**KUT FIBREUP 6** is available in 0.91 kg. bags.

## ADDITION RATES

The performance of **KUT FIBREUP 6** is best assessed after preliminary trials in the laboratory or on site using the normal mix constituents under consideration to determine the effect on render properties.

Fibre Length	6 mm
Aggregate Size Max.	32 mm
Dosage	0.91 kg./m <sup>3</sup>

## EFFECTS OF OVERDOSING

Overdosing of **KUT FIBREUP 6** will generally produce a reduction in workability and increase in the cohesiveness of the mix.



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## STORAGE

**KUT FIBREUP 6** should be stored in dry conditions similar to cement.

## PRECAUTIONS

### Health & Safety

**KUT FIBREUP 6** is non hazardous.

### Fire

**KUT FIBREUP 6** is not flammable. It will burn in a fire, however in a cementitious mix the effect is negligible

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