



KEM FIBRE 84

Fibre Reinforcement for Concrete and Mortar

Mono Filament PP Fibre

DESCRIPTION:

KEM FIBRE 84 is a high performance micro polypropylene fibre developed as a crack controlling additive for cementitious materials. It is available as monofilament 6mm 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.

PRODUCT FEATURES:

- ◊ 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

PRODUCT SPECIFICATIONS:

◊ Appearance	: Polypropylene fibre
◊ Specific Gravity	: 0.91 g/cm ³
◊ Alkali Content	: Nil
◊ Sulphate Content	: Nil
◊ Air Entrainment	: Air content of concrete will not be significantly increased
◊ Chloride Content	: Nil
◊ Constituents	: Virgin Polypropylene C3H8
◊ Fibre Thickness	: 6 Denier
◊ Youngs Modulus	: 5500 - 7000 MPA
◊ Tensile Strength	: 360 MPA
◊ Melting Point	: 160°C
◊ Compatibility with Other Admixtures and Cements	: KEM FIBRE 84 can be used with all types of cement and is compatible with other admixtures
◊ Fibre Length	: 6mm
◊ Aggregate Size	: Max. 32mm

STANDARDS:

Compiles with the requirements of ASTM C - 1116



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AREAS OF APPLICATION:

- ◊ Specifically designed for crack control in cementitious materials covering areas such as conventional shotcrete, screeds, rendering mortars etc.
- ◊ Pavements
- ◊ Driveways
- ◊ Overlays patch repair
- ◊ Thin concrete
- ◊ Heavy industrial floors
- ◊ Renders
- ◊ Plasters

METHOD OF APPLICATION:

- ◊ Add KEM FIBRE 84 to 1.5 kg 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 the KEM FIBRE 84 mix. Then add the remaining 25% mixture.
- ◊ Mix well until homogenous mixture is obtained.

RECOMMENDED DOSAGE:

0.9 kg/m³

PRECAUTIONS:

- ◊ Overdosing of KEM FIBRE 84 will generally produce a reduction in workability and increase in the cohesiveness of the mix.

SAFETY:

- ◊ KEM FIBRE 84 is not flammable. It will burn in a fire, however in a cementitious mix the effect is negligible.

PACKAGING:

125 g



Mfd by: Chembond Chemicals Limited

Marketed by: Chembond Distribution Limited,
Chembond Centre, EL-71, MIDC Mahape,
Navi Mumbai - 400 710

For feedback call (022) 3921 3000 or
email to feedback@buildsys.co.in

Website: www.chembondconschem.com

The information, based on our current level of knowledge, is given in good faith. It relates to the usage of CHEMBOND products when properly stored, handled and applied. Users are advised to carry out trials prior to full scale usage. No assumptions should be made as to a product's suitability for a particular use or application. Users acknowledge this and agree to accept CHEMBOND's technical advice only as a guideline.

WATERPROOFING



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STORAGE:

KEM FIBRE 84 should be stored in dry conditions similar to cement storage.

SHELF LIFE:

12 months from manufacture

TECHNICAL SERVICE:

Chembond has established itself in various fields on the basis of its dependable technical service. We maintain a well-equipped laboratory for research and quality assurance of all our products. Our experienced personnel are always on call and readily available for product demonstrations and product performance monitoring. For queries, call 022 39213000 or email to feedback@buildsys.co.in



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