

ALGIFIBRE

POLYPROPYLENE FIBRE FOR MORTAR REINFORCEMENT

GENERAL DESCRIPTION

Algifibre is a high performance modified polypropylene engineered fibre designed specifically- for secondary reinforcement of mortar. Algifibre disperses in to the concrete mix when added at the batching plant or at the job site to form a true 3 dimensional reinforcement network which reduces cracking and increases the strength.

ADVANTAGES

- Algifibre provides three-dimensional reinforcing versus two-dimensional welded mesh.
- Has excellent alkali resistance compared to polyester fibre.
- Controls/eliminates plastic shrinkage cracks.
- Cost is less compared to concrete/mortar with welded wire mesh.
- Does not corrode, rust or disintegrate compared to welded wire mesh.
- Increases surface durability
- Reduces permeability
- Reduces segregation

USES

Algifibre can be used in place of wire mesh reinforcement. Algifibre is used for increasing performance of plain, non-reinforced concrete. Algifibre is used in concrete/mortar requiring secondary reinforcement to achieve additional strength, impact resistance, durability and crack control. Algifibre is commonly used in flat work of industrial, commercial and residential concrete projects, in footings, foundations, walls and tanks for added strength and reduced porosity. Algifibre is used to reduce cracking in manufacture of concrete pipe and prestressed beams, columns etc.

PHYSICAL PROPERTIES:

Material	: High performance modified engineered fibre based on polypropylene
Alkali Resistance	: Excellent
Acid Resistance	: Excellent
Mildew Resistance	: Excellent
Conductivity	: Low
Dosage	: 120 gm for 50 kg bag of cement.

TECHNICAL DETAILS:

Raw Material	: Polypropylene
% of Elongation at break	: 50± 10
Fibre Type	: Mono Filament
Fibre Dia	: 20 Micron
Melting Point	: 160°C
Density G/Cm ³	: 0.91
Acid and Alkali Resistance	: Very Good
Tensile Strength(MPA)	: 440
Length	: 6mm

METHOD OF USAGE:

Mix 120 gms of Algifibre in 3 to 5 litre of water and soak it for 3-5 minutes. Then add this to the concrete mixer or in case of manual mix add to the premixed cement/sand mortar mix.

Email: contact@algitechchemicals.net

www.algitechchemicals.in

ALGIFIBRE

STORAGE:

Store in a cool and dry place away from direct sunlight.

SHELF LIFE:

24 months in original sealed pack.

PACKING

Algifibre is available in 120 Gms pouch and 10 kg packing.



High Quality Input



Research & Development



Thoroughly Tested Output



Modern Packaging



An ISO 9001-2008 Certified Company

ALGI TECH

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NOTE: The Product should be used in accordance with the manufacturer's instructions. The manufacturer will not be held liable for the performance of the product if the same is not used as per the regulations and limitations specified by the manufacturer and also in conditions where the conditions of use are beyond the control of the manufacturer.