

Techno Chopped Fiber AR-24

Description

Chopped Fiber AR-24 is a new fiber generation produced from 100% fiberglass coated yarns. This fiber is specially engineered as a reinforcement fabric to prevent hair cracks in concrete, epoxy mortars, plaster and stucco systems. Since fiberglass is chemically inert to all Portland cement mixes and to the weather conditions, it will not lose its strength and impact resistance over time. **Chopped Fiber AR-24** is an environmentally friendly.

Because of the superior elongation properties of **Chopped Fiber AR-24**, it imparts greater impact resistance to the system. **Chopped Fiber AR-24** is available in standard lengths to meet most of the structural applications. In virtually, for all projects, it can be used where no cracks is wanted.

Advantages

Chopped Fiber AR-24 is unaffected by epoxy resins, all stucco polymer finishes, and all normal concrete additives; therefore, it can be assured that **Chopped Fiber AR-24** reinforced systems will resist most of the cracks for a long time, in the future, considering the improvement of the concrete properties. With the new generation characteristics it has a good alkali and chemical resistance and a high corrosion resistance for the environments contains alkali mediums, so it can be used to reinforce cements, gypsum and other inorganic materials, where light weight and high strength must be achieved. **Chopped Fiber AR-24** reinforced cement composite is suitable for civil engineering, gardens, and decorative materials.

Fields of application

1. Preventing hair cracks in concrete layers.
2. Preventing cracks in plaster layers.
3. Preventing cracks in stucco layers.
4. Reinforcing the cover layer of concrete.
5. Reinforcing sharp plaster corners and edges.
6. Preventing cracks in all cement-based mortars.
7. Reinforcing epoxy mortars.

Methods Of Application

To reinforce concrete layer:

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Chopped Fiber AR-24 is mixed with concrete by 0.9 kg/m³.

To reinforce the plaster or mortar layers:

Chopped Fiber AR-24 is mixed with mortar by 0.5 kg for every 50 kg of cement.

In reinforced concrete repair works:

After repairing the steel bars, **Chopped Fiber AR-24** is mixed with the rate of 0.5 kg for every 50 kg of cement.

In epoxy or cement-based mortars:

Chopped Fiber AR-24 is mixed with the rate of 5-10 % from the epoxy resin weight.

Specifications

Composition : 100 % high alkali resistance fiber glass.

Filament diameter (μm): 15

Chopped length (mm): 12

Surface area : more than 225 m²/kg

Leave out rate: approximately 0.05

Moisture content (%): 0.10

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