

TechnoFiber™CG

Chopped Glass Fiber

TECHNOPOL

مقاوم سازی تکنوپل

PRODUCT DESCRIPTION

TechnoFiber™CG is designed for use in glass fiber-reinforced concrete (GFR) by spray-up, glass fiber reinforced concrete premix, fiber-reinforced concrete, and other cementitious based products. TechnoFiber™CG has excellent properties with alkali resistance, bundle-state, stiffness, and aging-proof.



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TECHNICAL DATA

	Total Weight (gsm)	Mesh size (per inch ²)	Tensile strength Longitudinal/trans vers
Fiber Diameter	65	1.5X1.5	27/27
Chop Length	100	3.54X4	49/44
Linear density	130	2.95X2.95	59/59
ZrO ₂ content	200	2.36X2.36	74/74

ADVANTAGES

- Alkali resistant glass.
- Makes highly durable GRC elements
- Suitable for both premix and spray
- Improves mechanical performance of GRC elements
- Safe and easy to handle
- Remains integral during mixing.
- Ease of incorporation even at high dosage. Abrasion resistant strand.

TYPICAL USES

TechnoFiber™CG is suited for the preparation of pre-bagged mixes of repair and top screed mortars. The product Also may be used in the manufacture of glass fiber reinforced concrete (GRC) composites by both premix and simultaneous spray methods.

STORAGE

TechnoFiber™CG must remain in packaging material until just prior to their use.

INSTALLATION PROCEDURE

SPRAYED GRC

In the manufacture of GRC by the spray process, simultaneous sprays of cement / sand mortar slurry and chopped AR glass fiber are

deposited from spray - head into or on a suitable mold. The spray head may be hand held or mounted on a machine. There commended dosage in sprayed GRC is 5% by weight.

PRI-MIXED GRC

All premix processes involve the blending together of the cement, sand, water, admixtures and chopped stands of AR fiber in a mixer prior to being formed. To produce a premix of the correct quality it is necessary to mix in two stages. The first stage is designed to produce high quality slurry to achieve the necessary workability and allow for the uniform incorporation officer. The second stage is the blending of fibers into the slurry. It is more convenient to carry out both stages in the same piece of equipment, but separate mixers can be used for each stage. The recommended dosage in premix GRC is 3% by weight.

PACKAGING

20 kg bag available

STORAGE

AR fiberglass chopped strand (TechnoFiber™CG) should be stored dry in their original package until just prior to their use, the best conditions being at a temperature of between 15and 35, and



at a relative humidity of between 35 and 65%.

HANDLING

Before using this product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

FAIRST AID

All components of FRP systems may cause skin irritation and sensitization. Use of chemical resistant gloves is recommended. Avoid breathing vapors and dust. Get medical attention if you are breathing with difficulty. Resins products can cause strong eye irritation. Avoiding eye contact and Using safety goggles is necessary. In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

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