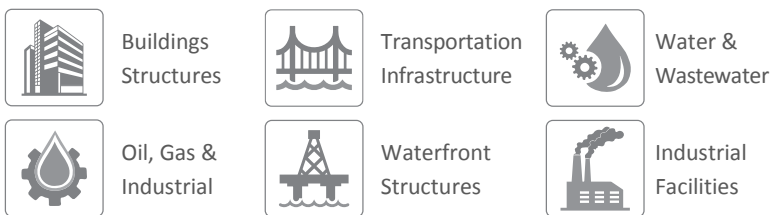


# TECHNO CHOPPED™ FGCS-AR

## AR-glass fiber chopped strands

### PRODUCT DESCRIPTION

Ar glass fiber chopped strands (TECHNO CHOPPED™ FGCS-AR) is made from longitudinally chopped fiberglass rovings. Ar glass fiber chopped strands contains approximately 16.5% ZrO<sub>2</sub>. The presence of zirconium oxide in glass fibers increases its resistance to chemical factors, alkaline substances and other corrosive factors. This type of chopped fiber is widely used in order to increase the resistance of concrete against impact, erosion, heat, alkalis, chemicals, corrosion, increasing technical specifications, concrete sealing, etc. Ar glass fiber can be used by spraying and premixing method.



### PHYSICAL SPECIFICATIONS

Row	Length of chopped fibers (mm)	diameter (um)	Suitable for mixing with
GFCS-AR-12	12	15	Concrete
GFCS-AR-18	18	15	Concrete
GFCS-AR-24	24	15	Concrete

### MECHANICAL SPECIFICATIONS

Row	Linear Density (tex)	ZrO <sub>2</sub> Content (%)	Moisture Content (%)	Breaking Strength (N/tex)
GFCS-AR-12	76±7	≥16	≤0.2	≥25
GFCS-AR-18	76±7	≥16	≤0.2	≥25
GFCS-AR-24	76±7	≥16	≤0.2	≥25

### ADVANTAGES

- High resistance to cracking
- High resistance to alkalis
- Uniform distribution and high integrity during mixing
- High quality of the final product
- It has 16.5% ZRO<sub>2</sub>
- High tensile strength
- Fire resistant
- Chemical stability
- Lightweight
- High durability

### TYPICAL USES

- Production of GRC parts
- Construction of tanks
- Reinforcement of pipes
- Road Construction
- Slabs
- Industrial floors
- Seaside structures

### PACKAGING

This product is packed in plastic or paper bags weighing 25 kg.

### STORAGE

Ar glass fiber chopped strands should be stored in the original packaging and away from heat and humidity. The best conditions for storing this product are an environment with a temperature between 15 and 35 degrees Celsius and a humidity between 35% and 65%.

### INSTALLATION PROCEDURE

Chappad can be implemented using the following two methods:

**a. Premix method:** In Premix method, Ar glass fiber chopped strands should be added to the concrete mixer or other cement matrix at a predetermined ratio. In this method, the fibers should be added little by little to the mixture so that it is evenly distributed in the mixture without lumping.

**b. spray-up method:** In this method, the chopped Ar glass fibers are sprayed with the relevant resin using a special gun at the same time on the desired surface. In this method, the surface must first be cleaned from any contamination such as plaster, paint, oil, etc., using tools such as wire brush, burr, etc.

#### CAUTION

The use of safety glasses and chemically resistant gloves is recommended. Use appropriate clothing to minimize skin contact. The use of NIOSH-approved respirator is required to protect respiratory tract when ventilation is not adequate to limit exposure below the PEL. Refer to Safety Data Sheets (SDS) for detailed information.

#### FAIRST AID

##### *Skin*

Wash fibers off skin with water and soap. If fibers are embedded in the skin, remove with tweezers. Discard clothing that may contain embedded fibers. Seek medical advice if exposure results in adverse effects.

##### *Eyes*

Immediately flush with a continuous water stream for at least 20 minutes. Washing immediately after exposure is expected to be effective in preventing damage to the eyes. Seek medical advice.

##### *Inhalation*

If there is inhalation exposure to the fibers of this product, remove source of exposure and move victim to fresh air. If victim is not breathing, give artificial respiration. If there is breathing difficulty, give oxygen. Seek medical advice for any respiratory problems.

##### *Ingestion*

Ingestion is not a likely means of exposure for this product. If ingestion does occur, do not induce vomiting. Give nothing by mouth if victim is unconscious. Seek medical advice.

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