

Techno Fabric™ FGWR

Fiberglass Woven Roving

TECHNOPOL

مقاوم سازی تکنوپل

PRODUCT DESCRIPTION

Techno Fabric™ FGWR is a set of direct glass fiber roving that are woven together in a plain or twill. The texture and design style of this type of fabric increases and improves the properties and performance of the fibers. Fiberglass mat fibers are compatible with most existing resins. In addition, fiberglass mat fibers are flexible and can be easily placed in the desired format. Fiberglass has a very low water absorption power. It also benefits from high tensile strength, high heat resistance, high corrosion resistance, etc. For this purpose, it is widely used in inflatable boats, sports equipment, bathtubs, tanks, panels, pipes, swimming pools, etc.



Buildings
Structures



Transportation
Infrastructure



Water &
Wastewater



Oil, Gas &
Industrial



Waterfront
Structures



Industrial
Facilities

- Good thermal insulation
- Good electrical insulation
- Compatible with most resins
- Low water absorption

TYPICAL USES

- Automotive
- Boating
- FRP composites
- Pipe
- gypsum mold
- fiberglass boat, pool, water tank
- fiber reinforced concrete

PACKAGING

Each roll of Woven roving fiberglass is placed in a polythene bag and is finally supplied in a box or pallet according to the number of orders.

TECHNICAL DATA

Item	Tex		Count of cloth (root/cm)		Unit area mass (g/m)	Breaking strength(N)		Width(mm)
	Wrap yarn	Weft yarn	Wrap yarn	Weft yarn		Wrap yarn	Weft yarn	
EWR200	180	180	6.0	5.0	200 ± 15	1300	1100	30-3000
EWR300	300	300	5.0	4.0	300 ± 15	1800	1700	30-3000
EWR400	576	576	3.6	3.2	400 ± 20	2500	2200	30-3000
EWR500	900	900	2.9	2.7	500 ± 25	3000	2750	30-3000
EWR600	1200	1200	2.6	2.5	600 ± 30	4000	3850	30-3000
EWR800	2400	2400	1.8	1.8	800 ± 40	4600	4400	30-3000

ADVANTAGES

- High tensile strength
- High resistance to corrosion
- High resistance to fire
- Good resistance to chemicals

INSTALLATION PROCEDURE

APPLICATION

Woven roving fiberglass can be used to make desired products by using technologies such as manual layering, mold press, GRP manufacturing processes.



LIMITATIONS

- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +35°C.
- Avoid heavy traffic for 24 hours.

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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