

T E C H N I C A L D A T A

MULTI-DIRECTIONAL CARBON FIBER FABRIC 300 g/sq.m 0 DEG. BY 90 DEG. MULTI-AXIAL WEAVE

DESCRIPTION

Multi-Axial fabric produced from continuous carbon fiber tow. Total nominal weight: 304 grams (9 ounces) per square meter. Drapable fabric construction, ideal for infrastructure repair and complex shape pre-forms. 100' ROLLS OR 8' STRAPS

Manufacturer

CPR Products, Inc.
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Consult an engineer for product applicability

APPLICATIONS

- #Beams for wall reinforcement
- Wrap corners or pillars
- Reinforcement of wall cracks

Quantities available

100' x 1' Rolls and 8' x 1' Straps

Surface Preparation is Vital:
Open pores of concrete with a diamond wheel grinder with vacuum attachment and HEPA filter.

Installation: Apply base coat of blended #500 Epoxy. Hang fabric ensuring intimate contact - smooth out air bubbles with gloved hand. Roll second coat of epoxy over the top, encapsulating the fabric. Allow 48 hours for full cure.

Store at room temperature

MATERIAL FIBER PROPERTIES

- TENSILE STRENGTH: 600 ksi (600,000 psi)
- TENSILE MODULUS: 35 msi (35,000,000 psi)
- ELECTRICAL CONDUCTIVITY: 0.00061 ohm-in
- DENSITY: 0.065 pounds/cubic inch
- FIBER DIAMETER: 0.283
- CARBON CONTENT: 95%

FABRIC ARCHITECTURE: 0/90 deg:

- 0 deg. Fiber orientation: 150 grams/square meter (4.42 oz)
- 90 deg. Fiber orientation: 150 grams/square meter (4.42 oz)
- Polyester Stitch: 4 grams/square meter (0.12 oz)
- Total weight: 304 grams/square meter (9 oz)

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