

CARBON FABRIC

Fabric Reinforcement Produced from Carbon for Structural Reinforcement

PRODUCT DESCRIPTION

ticm Carbon Fabric products are technical textiles produced for structural strengthening with high strength and high durability. ticm Carbon Fabric products are perfectly compatible with ticm EPX FRP epoxy-based resin.

AREAS OF USAGE

- Strengthening of damaged buildings,
- Strengthening of vaults and arches,
- Improving the security measures by applying in excavation works,
- Reinforcement of structural elements such as column, beam and slabs.

PRODUCT INFORMATION

- Product Name: ticm Carbon Fabric
- Standard Dimensions: 0,5 m x 50 m
- Storage Conditions: In original packaging and in a cool, dry and covered area.
- Cutting: Industrial scissors can be used.

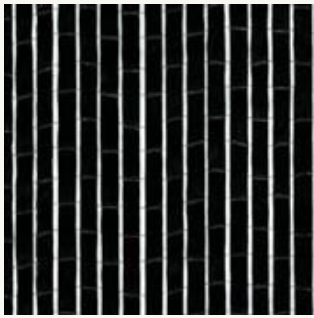
PERFORMANCE FEATURES

- High tensile strength,
- High strength and ductility,
- High durability characteristics,
- Easy applicability,
- Long lifespan due to carbon's natural structure,
- High adherence properties with ticm EPX FRP.



TECHNICAL PROPERTIES

Technical Properties	CRU300	CRU600
Fiber Type in Main Direction	Carbon	Carbon
Fiber Type in Second Direction	Cam	Cam
Finished Weight in Main Direction (g/m ²)	300	600
Elasticity Modulus (GPa)	≥ 240	≥ 240
Tensile Strength (MPa)	>4900	>4900
Density (g/cm ³)	1,8	1,8
Elongation (%)	1,6	1,6
Fiber Design Thickness (mm)	0,167	0,333
Roll Dimensions (m x m)	0,5x50	0,5x50
Shelf Life	Unlimited	Unlimited



CRU300



CRU600

RESPONSIBILITY

Technical findings and application suggestions are based on experimental data. Actual values can vary due to conditions out of control. Suggestions do not take on any other obligations. When the new version of this document is issued, old version becomes invalid.