

Durox®Carbomesh 163

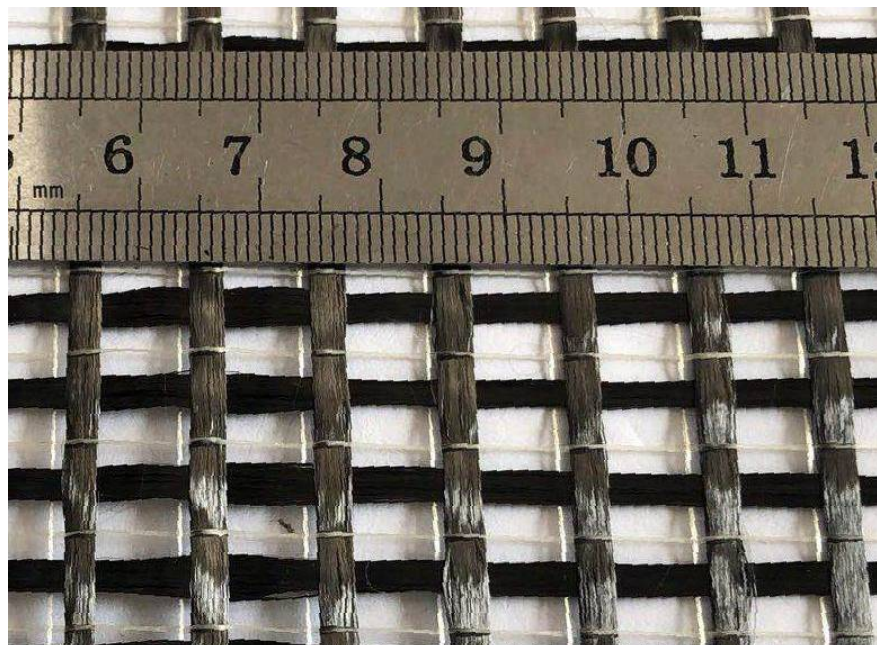
Carbon mesh structural reinforcement systems

Durox®Carbomesh 163 is a structural reinforcement system on base of carbon fiber yarns.

Application

- **Structural strengthening**
- **Increasing the load capacity**
- **Increased seismic resistance**
- **Structural strengthening of bridges**

Structural strengthening, restoration, reconstruction, repair, seismic retrofitting of reinforced concrete, concrete, masonry, metal(steel), wood constructions. Increasing the load capacity of reinforced concrete, concrete, masonry, metallic and wooden structures (including complex geometric shapes, as well as in confined spaces). Increased seismic resistance and structural strengthening of bridges. High mechanical characteristics with a wide range of application.



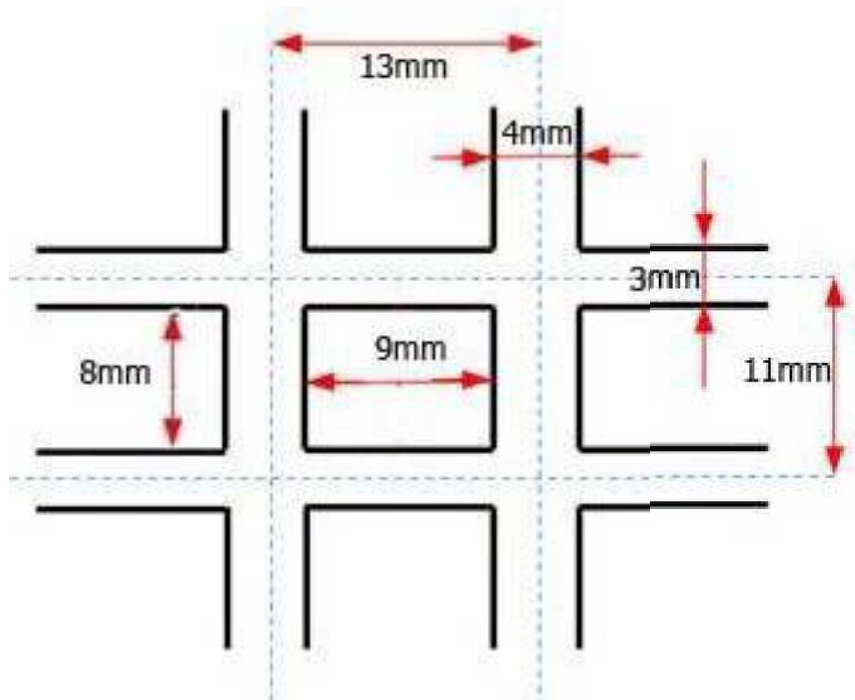
Advantages

- Low density with high tensile strength and high modulus
- Extra high temperature resistance under non-oxidizing environment
- Excellent electrical and thermal conductivity
- Good fatigue resistance, abrasion resistance, corrosion resistance
- Good electromagnetic shielding and X-ray permeability
- Insoluble and non-swelling in organic solvent, acid, alkali

Durox®Carbomesh 163

Technical Data

Durox®Carbomesh Type:	Durox®Carbomesh 163
Packaging:	Roll a 1m x 100m
Fiber Type	High strength Carbon fiber mesh
Warp yarn:	12K carbon fibre yarn
Weft yarn:	12K carbon fibre yarn
Density of fibre:	1,78~182g/cm ³
Weight	200+/-5g/m ²
1 yarn tensile strength:	≥ 4700 MPa
Equivalent thickness of dry fabric	0,38 ± 0,04 mm
Type of fibre:	Medium strength
Elongation:	≥ 1,9%



These technical information describe the present-day state of knowledge these product. They should only inform about the possibilities of application and could not release the applicator of his commitment to check the possibility to use the product for the required application. Information for processing can be found in processing instructions of our product. Information about safe handling can be found in our current safety data sheet.

ATI-Durox®Carbomesh 163
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ARCAN Waterproof

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passion to invent