

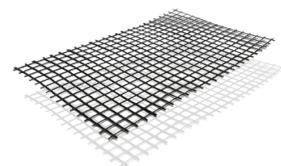
## CBG CarboBasalt® Mesh 12

TDB-Nr. 1710

The CBG CarboBasalt® Mesh is an innovative, patented, environmentally friendly material, especially, for reinforcement of alkaline concrete matrices. During manufacturing process, using a technology patented in Germany, a thin, nano-strong carbon coating of graphene flakes is applied to the surface of basalt fibers. This ensures a significant improvement in corrosion resistance in an alkaline environment and other properties of the treated fibers.

The product has been tested and certified by an official European testing laboratory as well as approved for use in the construction industry to reinforce concrete structures. It prevents the formation of microcracks on the surface of concrete structures and thus increases the service life of concrete structures e.g. in architecture, bridge and road construction and as a material for use in various types of landscaping work.

- Universally applicable
- Ultra-lightweight and highly durable
- Dielectric, non-magnetic
- Antibacterial
- Heat resistant
- Water and salt water resistant
- Vibration resistant
- Corrosion resistant
- Environmentally friendly



Parameters	Unit	Nominal value
Weight per unit area	g/m <sup>2</sup>	245 (+/- 5%)
Warp (basalt strands)	tex	1.200 + Acryl Matrix + PES 2x15
Weft (basalt strands)	tex	1.200
Warp yarn density	Fd./10 cm	8
Weft yarn density	Fd./10 cm	8
Mesh spacing	mm	12
Material composition	CarboBasalt® wicks + acrylic matrix	
Matrix	%	20 (+/-15)
Width	mm	1.225
Tensile strength of warp and weft	kN/m	≥ 50
Binding	Canva	
Storage	Dry, protect from moisture and heat, storage temperature - 10 + 30°C.	
Shelf life	3 to 6 months maximum at room temperature, packed in foil.	
Safety instructions	When processing the above-mentioned product, the following must be observed guidelines of the chemical industry and of the liability insurance association, as well as the safety data sheets.	
Processing instructions	Only after 24 hours of conditioning at the processing temperature.	
General information	The above data and information are based on tests and research carried out and constitute information for the user. Users should check and confirm the suitability of this product for the intended purpose through their own research and testing.	

### Delivery

Supplied on a roll or cut to size on pallets wrapped in stretch film.

### Processing and storage

- Processing possible with the usual cutting tool;
- The usual protective measures must be taken during processing;
- Gloves, respiratory protection and safety protective glasses are recommended.



Subject to modifications

CBG Composites GmbH Egerpohl 2 D-51688 Wipperfürth / Germany  
[www.cbg-composites.de](http://www.cbg-composites.de) / Tel: +49 2267-67-0 / Fax: +49 2267-67-222 / [info@cbg-composites.de](mailto:info@cbg-composites.de)

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