

MasterBrace[®] CON

Carbon fibre cord for the structural connections of MasterBrace FIB (Fiber Reinforced Polymer) system

DESCRIPTION

MasterBrace CON is a fibre anchor consisting of uni-directional carbon fibres held together with a gauze. It is impregnated with structural resins **MasterBrace SAT 4500**.

MasterBrace CON is used to perform structural connections between existing structures and reinforcements implemented with CFRP fabrics or meshes.

TYPICAL APPLICATIONS

It is used for the anchoring and transferring of stresses from the reinforcement surface (for eg with **MasterBrace FIB**) and the reinforced structure.

ADVANTAGES

- Extreme light-weight
- Excellent durability towards all aggressive chemicals in concrete such as alkali hydroxide, chlorides and sulphates
- Excellent adhesion to resin or expansive cement substrates
- It can be used as a near-surface mounted strengthening system

PACKAGING

MasterBrace CON is supplied in 10 meter rolls.

TYPICAL PROPERTIES*

Typical Dry Fibre properties	MasterBrace CON 100 CFS	MasterBrace CON 120 CFS
Diameter	10 mm	12 mm
Weight	45 g/m	50 g/m
Fibre cross section	25 mm ²	30 mm ²
Modulus of Elasticity	250 GPa	
Elongation at break	>1.6%	
Tensile strength	4500 MPa	
Fibre density	1.82 g/cm ³	

APPLICATION GUIDELINES

Please refer to the method statement or contact Master Builders Solutions Technical Services department.

STORAGE

Store in a cool, dry place indoors (5-30°C) away from direct contact with sunlight, fire or naked flames.

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NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Master Builders Solutions representative.

Master Builders Solutions reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

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NOTE

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