

MasterBrace CON

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

MATERIAL 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.

FEATURES AND APPLICATION

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

FEATURES AND BENEFITS

- 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.

APPLICATION

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.

NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

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QUALITY AND RESPONSIBLE CARE

All products originating from MB Construction Chemicals Solutions South Africa (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

* Properties listed are based on laboratory controlled tests.

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TYPICAL PROPERTIES*

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

DISCLAIMER

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