

# REFOR-tec® GF 5 / MC

## Micro-concrete UHPFRC

Ultra High Performance Fibre Reinforced Cementitious Composites

CE approved – Certificate n. 1305 - CPD - 0808  
EN 1504-3 Class R4

R4

EN 1504-3

NORMA EUROPEA

**Description** For external applications, in particular for pavements with possible contact with defrosting salts we advice the use of REFOR-tec® GF 5 / MC formulated with polymeric fibres with very high elastic modulus FIB-energy® MC 310/15.

**Packaging, proportions and way to apply**

### BIG JOBSITES

Comp. <b>A</b>	<b>POWDER</b> (bags of 25 Kg. on pallets) :	<b>1.300</b>	<b>Kg.</b>
Comp. <b>B</b>	<b>LIQUID</b> (in barrel)	<b>162,5</b>	<b>Kg.</b>
Comp. <b>C</b>	<b>FIBRE FIB-energy® MC 310/15</b> (in bags of 4,88 Kg.) :	<b>19,5</b>	<b>Kg.</b>
<b>TOT:</b>		<b>1.482</b>	<b>Kg.</b>

### FOR SMALL APPLICATIONS OR DISTRIBUTION

Comp. <b>A</b>	<b>POWDER</b> (1 bag of 25 Kg.)	} 1 pail	25,375	Kg.
Comp. <b>C</b>	<b>FIBRE FIB-energy® MC 310/15</b> (1 bag of 0,375 Kg.)			
Comp. <b>B</b>	<b>LIQUID</b> (in 1 can of 3,125 Kg.)	1 can	3,125	Kg.
<b>TOT.</b>			<b>28,5</b>	<b>Kg.</b>

**Technical characteristics (typical values)**

### REFOR-tec® GF5 / MC

• Workability time	≥ 1 h
• Foot traffic	12 h at 20 °C
• Accepting light traffic	24 h at 20 °C
• Trafficable with full load	3 days at 20 °C
• Density	2.280 Kg/m <sup>3</sup>
• Compressive strength*	110 MPa
• Tensile strength**	6,5 MPa
• Flexural strength*	28 MPa
• Shear strength	12 MPa
• Elasticity Modulus	34 GPa
• Fracture energy	20.000 N/m
• Shrinkage	< 0,05 %
• Depth of carbonation	0

Note\*: values obtained on samples 4x4x16 cm (according to UNI EN 1504-3) and 550 mm flow.

Note\*\*: values obtained by tests executed on samples 10x10x50 cm "Indirect Tensile Strength"

**Remarks** Information according to 2003/53/CE:

**Storage:** 12 months in original packaging, unopened, stored protected and dry, +5°C and +35°C.

Do not use the content of opened bags if you notice lumps. Avoid the freezing of the liquid component.

**Safety indications** Read carefully the indications on the packaging, or request the relative Material Safety Datasheet of this product.

The above data are based on our actual and most experienced practical and laboratory knowledge and the results are collected from application of the product in different situations. Tecnochem Italiana does not assume any responsibility regarding inadequate or negative performance as a result of improper use of the product or for defects deriving from factors or elements other than the quality of the product including improper storage. The technical characteristics and performance mentioned in this datasheet are updated periodically. The revision dates and number of revision of the datasheets are listed in the table below. Eventual variations are traceable on our website [www.tecnochem.it](http://www.tecnochem.it) where the most updated datasheets can be retrieved

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