

## Specification Clause

### MasterRoc® FLC 100 (Formerly known as Meyco Flowcable)

#### Description

**MasterRoc FLC 100** is a chloride free admixture in powder form. It is added at the rate of 6% by weight of cement to produce a flowable, pumpable, non-shrink non-segregating, impermeable grout, providing high strength and high bond to steel. The most important property **MasterRoc FLC 100** imparts to grout is the ability to protect cables against corrosion from aggressive agents and stress.

Where indicated on the contract documents the admixture for the production of non-shrink, high strength grouts for post-tensioned cables and fixing anchors or bolts in concrete or rock shall be **MasterRoc FLC 100** manufactured by BASF Construction Chemicals UAE LLC.

The product shall meet or exceed the following performance criteria:

Testing	Standard	Results	Test Report Data
Compressive strength	EN 196 PT 1	1 day - 20-40N/mm <sup>2</sup> 28 days- 50-70N/mm <sup>2</sup>	No Report on Dbase
Absence of shrinkage, and expansion		200 to 800 µm/m	No Report on Dbase
Initial setting time		in excess of 3 hours at +30°C	No Report on Dbase
High early and ultimate strengths		1 day - 20 to 40 N/mm <sup>2</sup> 28 days - 50 to 70 N/mm <sup>2</sup>	No Report on Dbase
High bond to steel @ 7 days		in excess of 15 N/mm <sup>2</sup>	No Report on Dbase
Testing as per EN 480-14-Modified	EN 480-14-Modified	Complies	October 2011 - External
Expansion (%), Bleeding (%), Volume Change, Fluidity & Sieve Test	BS EN 445	Nil	February 2012 - External
Flexural Strength / Compressive Strength	BS EN 445 1997 / BS EN 196 Part 1 2005	Flexural – 2.80N/mm <sup>2</sup> Compressive – 73.1N/mm <sup>2</sup>	June 2012 - External
Fluidity of Freshly Mixed Grout / Volume Change, Bleeding & Density of Freshly Mixed Grout	BS EN 445 1996	Complies	February 2012 - External
Compressive Strength of Grout Cube @ 7 days	BS EN 445 1997, BS 1881 Part:116	2 results 53.2N/mm <sup>2</sup> and 52.0N/mm <sup>2</sup>	June 2012 - External
Water Soluble Chloride (Cl)	ASTM C1152 / C1152M	0.011%	July 2014 - External

#### Standards

Standards required please provide (no standards on TDS).

The product shall be manufactured by a company certified to confirm to the requirements of the quality, environmental and occupational health & safety standards of ISO 9001, ISO 14001 and ISO 45001



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The technical information and application advice given in this BASF publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

For additional information please consult the product Technical Data Sheet.  
BASF Construction Chemicals UAE LLC can provide a full project specification and method statement on request.