

## Specification Clause

### MasterBrace® LAM

#### Description

**MasterBrace LAM** is high strength, high modulus unidirectional pultruded carbon fiber laminates in **MasterBrace FRP** System.

Where indicated on the contract documents the high strength, high modulus unidirectional pultruded carbon fiber laminates for strengthening reinforced concrete structures shall be **MasterBrace LAM** manufactured by BASF Construction Chemicals UAE LLC.

The product shall meet or exceed the following performance criteria:

	<b>MasterBrace LAM 50/1.2 CFS</b>	<b>MasterBrace LAM 50/1.4 CFH</b>	<b>MasterBrace LAM 100/1.2 CFS</b>	<b>MasterBrace LAM 100/1.4 CFH</b>
Elasticity Modulus (N/mm <sup>2</sup> )	165,000	210,000	165,000	210,000
Tensile Strength (N/mm <sup>2</sup> )	3,000	2,800	3,000	2,800
Elongation at Break (%)	1.5	1.4	1.5	1.4
Thickness S (mm)	1.2	1.4	1.2	1.4
Width (mm)	50	50	100	100
Cross Section Area (mm <sup>2</sup> )	60	70	120	140
Volatile Organic Compounds (VOC)	SCAQMD		Nil	

#### Standards

ACI 440 & FIB Guidelines

**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**

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.