

MC-CarbonFiber Lamella S

(formerly MC-DUR CFK-Lamellen)

Surface-bonded carbon fibre straps for structural component reinforcement



PRODUCT PROPERTIES

AREAS OF APPLICATION

APPLICATION ADVICE

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Type	-	160/2800	Epoxy resin matrix
Density	kg/dm ³	1.6	
Tensile strength	N/mm ²	≥ 2,950	
E-modulus (characteristic)	N/mm ²	≥ 167,000	
E-modulus (mean value)	N/mm ²	≥ 173,000	
Elongation at fracture	%	≥ 1.67	
Fibre content	Vol.-%	68	
Standard profiles (width/thickness) ¹⁾		11/1,2 15/2,5 20/3,0	
Roll length	m	250	
Minimum bending roll diameter	m	0.9	

1) Special profiles and lengths, and made-to-measure parts available on request.

colour shade	black
Preparation	, Remove protective film prior to use
system products	MC-CarboSolid 1280 / Duromer adhesive, MC-CarboSolid 1000 BC / bond coat for levelling mortar, MC-CarboSolid 1000 / Levelling mortar, Colusal VL / Corrosion protection agent
General Building Authority Approval (DIBt, Berlin)	Z-36.12-90

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2100004755]

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Type	-	200/3000	Epoxy resin matrix
Density	kg/dm ³	1.6	
Tensile strength	N/mm ²	≥ 2,950	
E-modulus (characteristic)	N/mm ²	≥ 200,000	
E-modulus (mean value)	N/mm ²	≥ 220,000	
Elongation at fracture	%	≥ 1.3	
Fibre content	Vol.-%	68	
Standard profiles (width/thickness)		15/2,5 20/3,0	
Roll length	m	250	
Minimum bending roll diameter	m	0.9	

1) Special profiles and lengths, and made-to-measure parts available on request.

colour shade	black
Preparation	, Remove protective film prior to use
system products	MC-CarboSolid 1280 / Duromer adhesive, MC-CarboSolid 1000 BC / bond coat for levelling mortar, MC-CarboSolid 1000 / Levelling mortar, Colusal VL / Corrosion protection agent
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