



MC-CarboSolid 1000 BC (formerly MC-DUR 1009 HB)

Epoxy resin based bonding coat for the levelling mortar MC-CarboSolid 1000

Product Properties

- Based on epoxy resin
- Two-component
- Tested as bonding coat for the levelling mortar MC-CarboSolid 1000
- General approval by the building authorities no. Z-36.12-90 and Z-36.12-85

Areas of Application

- Bond coat for MC-CarboSolid 1000 for structural strengthening with MC-CarbonFiber system both in interior and exteriors areas
- REACH-assessed exposure scenarios: periodical water-contact, long-term inhalation, application

Application

Substrate Preparation

See leaflets "General Application Advice": "Substrate and Substrate Preparation" and "Reactive Resins". The substrate must be clean and free from all loose particles, dust, oil or any other contaminants. The surface pull-off strength must be in accordance with the respective general approval by the building authorities. The surface-near aggregates must be exposed to achieve sufficient surface roughness.

Mixing

MC-CarboSolid 1000 BC consists of base and hardener component, supplied in pre-packed quantities. Before application both components are mixed thoroughly until homogeneously, using slowly rotating mixers. Packs must be emptied completely to ensure a correct mixing ratio.

Application

MC-CarboSolid 1000 BC is applied onto the prepared substrate, using a brush or a roller. Afterwards the levelling mortar MC-CarboSolid 1000 is applied fresh-in-fresh into the bonding coat.

General information

High temperatures shorten and low temperatures extend all indicated times. As a general rule of thumb a temperature change of 10 °C either halves or doubles the indicated pot life respectively.

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets.



Technical Data for MC-CarboSolid 1000 BC

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.w.	7 : 1	base : hardener
Density	kg/dm ³	approx. 1.4	
Viscosity	mPa·s	16,200	
Coverage	g/m ²	approx. 500	
Pot life	minutes	approx. 90 approx. 50 approx. 20	at + 10 °C at + 20 °C at + 30 °C
Minimum application conditions	°C % K	≥ 8 - ≤ 30 ≤ 85 3	air and substrate temperature relative humidity above dew point

* All technical data relate to 20 °C and 50 % relative humidity.

Product Characteristics for MC-CarboSolid 1000 BC

Cleaning agent	MC-Reinigungsmittel U
Colour	grey
Delivery	3 kg pack
Storage	Can be stored in original sealed packages at temperatures below 20 °C in dry conditions for at least 1 year. Protect from frost! The same requirements are valid for transport
Disposal	Packs must be emptied completely.

Safety Advice

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Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 11/19. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.