

MC-CarboSolid 1000 BC

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 ADVICE

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 homogeneous, 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 VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	p.b.w.	7 : 1	base component : hardener component
Density (mixture)	kg/dm ³	approx. 1.4	
Viscosity	mPa s	16,200	
Working time	minutes	approx. 90	at 10° C
		approx. 50	at 20 °C
		approx. 20	at 30 °C
Application conditions	°C	≥ 8 ≤ 30	air and substrate temperatures
	%	< 85	rel. humidity
	K	3	above dew point
Consumption	g/m ²	approx. 500	

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Colour	grey
Equipment cleaning agent	MC-Reinigungsmittel U
Delivery form	Pair of 3 kg containers
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs. Protect from frost.
Packaging disposal	Make sure single-use containers are completely empty.

GISCODE : RE30

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. [2400020850]