



MC-AnchorSolid E820

Highly Reactive Anchor Adhesive for Bonded Anchors in non-cracked Concrete

Product Properties

- Ready to use 2-component epoxy-based anchor adhesive
- Suitable for dry and wet non-cracked concrete
- Applicable with threaded rods and rebars
- Rapid strength development for early initial loading
- High compressive and tensile strength
- Thixotropic and stable for vertical and overhead application
- Very low application temperature
- Installation kit „MC-AnchorSolid“ with all required system components
- Comfortable processing with MC-Fastpack Power-Tool
- REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application

Areas of Application

- Anchoring work for static and quasi-steady loads in horizontal, vertical and overhead areas
- Approved system for use in uncracked concrete from C20/25 to C50/60
- Anchoring for dry and permanent wet interior and exterior components, with and without especially aggressive conditions
- Anchoring of threaded rods and rebars for fixings of attachments e.g. consoles, railings, storage racks, awnings, scaffolding, suspended ceiling, building technology, etc.
- Approved as bonded anchor according to European Technical Assessment (ETA-15/0506)

Application

Intended use

The preparation and application of anchoring works with MC-AnchorSolid E820 has to be done in consideration of the European Technical Assessment (ETA-15/0506) and all there noted design and application instructions. The application of MC-AnchorSolid E820 out of these instructions is not allowed.

Mixing of Components

MC-AnchorSolid E820 consists of two components, component A and component B. Both components are delivered in ready to use double chamber cartridges. The volume ratio of the cartridge corresponds to the mixing ratio of 2 : 1. The mixing takes place in the static mixer of the cartridge system.

Application

The application of MC-AnchorSolid E820 is performed with MC-Fastpack Power-Tool. The application has to be done in consideration of instructions for intended use written in ETA-15/0506. All clea-

ning and assembly tools which are necessary for the intended use are boxed in the installation kit MC-AnchorSolid.

Load Data

All given load data is based on a correct application (according to application instruction) and in compliance to all values and conditions in accordance with ETA-15/0506.

Machine Cleaning

Within the application time all tools can be cleaned with MC-Verdünnung EP (MC-Thinner EP). Partially and completely cured material can only be removed mechanically.

Safety Information

In accordance to Ordinance on Hazardous Substances MC-AnchorSolid E820 is a subject to label. The information at delivery bundles und in the safety data sheets have to be considered for application.



Technical Data MC-AnchorSolid E820

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.v	2 : 1	component A : component B
Density	kg/dm ³	approx. 1.5	DIN EN ISO 2811-1
Consistency	-	pasty	
E-modulus	MPa	approx. 5.800	DIN EN ISO 178
Max. Compressive tension	MPa	approx. 85	DIN EN ISO 604
Diameter of anchors	mm	8 - 20	according to ETA-15/0506
Humidity of drill hole	-	dry and wet	according to ETA-15/0506
Working-/Gelling time t_{gel}	minutes	approx. 7	at 20°C according to ETA-15/0506
Curing time t_{cure}	h	12 to 96	depending on temperature and substrate humidity according to ETA-15/0506
Application conditions	°C	+ 2 to + 40	Structure and substrate temperature

Product Characteristics MC-AnchorSolid E820

Cleaning agent	MC-Verdünnung EP
Colour	beige
Delivery	400 ml double chamber cartridges with a volume ratio of 2 : 1 Box with 8 cartridges, 10 static mixers.
Storage	Can be stored in original sealed cartridges at temperatures between +10 °C and +35 °C in dry conditions. The shelf life is at least 24 months. The same requirements are valid for transport.
Disposal	Cartridges must be emptied completely.

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

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety data sheets. GISCODE: RE30

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 09/20. 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.