

MC-Estripox pro

Transparent universal resin



PRODUCT PROPERTIES

- Two-component
- Low viscosity
- Transparent
- Solvent-free
- Very good adhesion on mineral substrates
- Highly miscible with kiln-dried filler aggregates
- Registered with DGNB (Code: HTWN8F)

AREAS OF APPLICATION

- Priming of concrete and screed surfaces
- Binding agent for epoxy resin mortars
- Rigid filling of cracks in concrete and screeds
- Bond coat for composite screeds

APPLICATION ADVICE

Substrate Preparation

See instruction leaflet "General Application Instructions for MC-Estrifan Substrates and Substrate Preparation" and the leaflet "General Application Instructions for MC-Estrifan Epoxy Resins" for the treatment of chips, spalling, pores and blowholes.

Mixing

See instruction leaflet "General Application Instructions for MC-Estrifan Epoxy Resins".

Application as a Primer

MC-Estripox pro should be applied with rubber squeegees and/or a roller. If it cannot be overworked within 24 hours, sprinkle the still fresh primer with kiln-dried quartz sand (grain size 0.1 - 0.3 mm). The exact material requirement depends on the substrate conditions (roughness, absorbency) and temperature.

Application as a Bond Coat

If MC-Estripox pro is to be used as a bond coat, no prior priming is required. Apply the resin liberally to the resilient substrate using a float. Ensure that the layer is continuous. The screed or concrete must be laid fresh-in-fresh within the processing time of MC-Estripox pro.

It is important, therefore, to ensure that only that much surface area is primed as can be reliably covered fresh-in-fresh.

Application as an Epoxy Resin Mortar

The mixed MC-Estripox pro is initially prepared and then mixed with quartz sand while stirring. The mixing ratio that can be achieved depends on the temperature, the grain size of the sand used and the desired processing consistency. From a mixing ratio of 1:4 GT (resin-to-aggregate), the mortar must be applied to a fresh bond coat of 300-500 g/m² MC-Estripox pro. The mortar can be laid using a straightening blade, steel trowel, squeegee or rubber float.

Further Information

The consumption quantities, processing times and all technical properties are extensively temperature-, climate- and substrate-dependent. Ensure compliance with all additional instructions provided in the leaflet "General Application Instructions for MC-Estrifan Epoxy Resins".

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	3 : 1	comp. A : comp. B
Density	g/cm ³	approx. 1.1	
Viscosity	mPa · s	approx. 600	
Working time	minutes		
1 kg container		approx. 30	
10 kg container		approx. 20	
Accessible after	hours	12	
Resilient after (full)	days	7	
Application conditions	°C	> 10	air and substrate temperatures
		≤ 30	air and substrate temperatures
	%	≤ 85	rel. humidity
	K	> 3	above dew point
Consumption	kg/m ²		substrate-dependent
Primer		approx. 0.3 - 0.5	
As a bond coat		approx. 0.5 - 0.7	
Consumption	kg/m ² /mm		
As a resin mortar		approx. 0.3 - 0.7	Depending on mixing ratio and grain size

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

Self-monitoring	EN ISO 9001
Equipment cleaning agent	MC-Verdünnung EP
Colour	transparent
Delivery form	Pair of 10 kg tubs Pair of 5 kg tubs Pair of 1 kg tubs (6 x 1 kg in a box)
Storage	Can be stored in cool (below 20°C) and dry conditions for 12 months in original unopened packs. Protect from frost.
Packaging disposal	Make sure single-use containers are completely empty.

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. 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. [2300018440]