

MC-Estrifan RIS

Epoxy resin for filling of cracks in screed and concrete floors

Product Properties

- Two component epoxy resin
- 400 ml two component cartridges
- Applied with the dispenser MC-Estrifan RIS-Jet
- Good penetration into cracks and voids
- No separate mixing necessary
- Easy and clean application
- Solvent free
- Low viscosity
- Water hazardous class: 2

Areas of Application

- Impregnation of hairline cracks and craquelee cracks
- Force bearing filling of cracks and voids in screeds and concrete floors

Application Notes

Substrate Preparation

The respective cracks and voids must be dry and clean. Contaminations within the cracks must be removed by evacuating out with an industrial vacuum cleaner or by blowing out with oil-free compressed air. Loose particles on the crack-edges must be removed.

Application

The cartridges are inserted into the dispenser MC-Estrifan RIS-Jet according to the instruction manual. The dispenser must be held vertically while the metal washer is removed and the clamping nut is screwed off. Pull out the green plunger seal, put the static mixer over the aperture and fasten it with the clamping nut. During all this the dispenser and cartridge must be held vertically to avoid a leaking of the unmixed material.

The resin material is pushed from the dispenser through the static mixer, where it is mixed. Whether the components have been mixed correctly can be determined by the green colouration of the material. When using a new static mixer small amounts of insufficient mixed material are ejected. It is therefore recommended not to use the first discharge of material.

If only small amounts of the 2-part cartridge is

used, the static mixer can be removed and the cartridge re-sealed.

Make sure that no material flows back from the static mixer into the 2-part cartridge. The unmixed material in the 2-part cartridge can be used again by attaching a new static mixer.

Crack Filling

Filling of cracks with MC-Estrifan RIS is done by impregnation. Material that has not penetrated the crack and the fresh resin surface of the refurbished crack must be sanded with oven-dried quartz-sand (grain-size 0.1 - 0.3 mm), to allow the adhesion of further coats.

Further Information

Coverage, processing time and all technical properties depends very much on the temperatures and the object conditions. Please observe the information on the data-sheet "General Application Advice for MC-Estrifan-Epoxy-Resins".

Chemical attacks and exposure to light might cause changes in colour, which usually do not impair the usability. Chemical and mechanical loads cause wear and tear. Regular inspections and continuous maintenance are recommended.



Technical Data for MC-Estrifan RIS

Characteristic	Unit	Value	Comments
Basis			epoxy resin
Density			
Component A (base)	g/cm ³	approx. 1.14	at 20 °C and 50 % relative humidity
Component B (hardener)		approx. 1.01	at 20 °C and 50 % relative humidity
Viscosity			
Component A (base)	mPa·s	approx. 1.300	at 20 °C and 50 % relative humidity
Component B (hardener)		approx. 200	at 20 °C and 50 % relative humidity
Mixing Ratio	p. b. v.	2 : 1	base component : hardener
Processing Time	minutes	approx. 11	at 20 °C and 50 % relative humidity
Processing Conditions	°C	≥ + 5 to ≤ + 30	air and substrate temperature

Product Characteristics for MC-Estrifan RIS

Internal Supervision	DIN EN ISO 9001
Standard Colour	
Component A	blue
Component B	yellowish
Mixture	greenish
Consistency	liquid, two component
Form of Delivery	Box with 6 x 400 ml 2-part-cartridges and 8 static mixers
Storage	Can be stored under dry conditions, at temperatures between + 5 °C and + 25 °C and in original unopened containers for at least 12 months. Keep frost-free!
Application Equipment	MC-Estrifan RIS-Jet
Equipment Cleaning Agent	MC-Verdünnung EP within the processing time. Do not use water or water-containing cleaning agents under any circumstances.
Disposal	For the sake of our environment please empty the packs completely!

Safety advice

Please take notice of the safety information and advice given on the packaging labels and safety sheets. GISCODE: RE1

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 01/15. 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.