Konudur Flexfit CS

Reaction resin based filler for flexible embedding of CIPP-liners to manhole walls

Product Properties

- High-reactive filler, self-stable material properties, suitable for vertical and overhead application
- Permanently flexible and resistant to domestic waste water acc. to DIN 1986-3
- Highly chemical and mechanical resistant
- Good adhesion to dry and damp mineral based substrates
- Good adhesion to GRP substrates
- Processing with MC-Fastpack Power-Tool

Areas of Application

- Embedding of CIPP-liner to manhole walls
- Embedding of laterals in manholes and accessible sewage constructions
- Sealing of manhole ring joints
- Sealing of leaking sleeves in accessible sewage constructions

Application

Substrate preparation
The substrate has to be clean and free of any loose particles, dust, oil, grease or any waste water residuals. Plastic based substrates are to be roughened, afterwards cleaned / washed and dried before the filler is applied. When embedding of CIPP-liner, any pre-liner and inner liner coatings are to be removed mechanically in all areas where the filler is to be applied. Mineral based substrates might be dry or damp. A closed water film is to be avoided. For more information, also concerning application details, have a look on the data sheet “General application advice for the connection of CIPP liners to manholes”.

Mixing
Konudur Flexfit CS is made up of two components, component A (base) and component B (hardener). Components A and B are mixed using the static mixer supplied with the cartridge. Only the supplied mixers may be used.

Application (plugging / filling)
Using static mixers in combination with a suitable tool (e.g. trowel, spatula) Konudur Flexfit CS is applied to the prepared surface by hand. In order to optimize the adhesive bond on matt damp substrates, lightly aged material can be reworked with pressure (press on). Within the pot life Konudur Flexfit CS can be re-smoothed with vegetable oil. Application details are given in the data sheet “General application advice for the connection of CIPP liners to manholes”.

Resistance to water contact
The resistance to water contact / back to service time of Konudur Flexfit CS depends on material, substrate and air temperature. For details on this topic see table “Technical data for Konudur Flexfit CS”. Keep damaged spot / application area of Konudur Flexfit CS free of waste water during application and during curing phase. The first contact to water is possible as soon as the material surface has stiffened (can still be sticky).

Cleaning
Within pot life all equipment might be cleaned using MC-Reinungsmittel U (thinner). Partially or fully cured material can only be removed by mechanical means.

Safety
Observe the hazard notices and safety advice on labels and material safety data sheets.
GISCODE: PU 40

MC-Bauchemie • Am Kruppwald 1-8 • 46238 Bottrop • Tel. +49 (0) 2041-101 130 • Fax: +49 (0) 2041-101 197
ombran@mc-bauchemie.de • www.mc-bauchemie.de

Technical Data of Konudur Flexfit CS

Characteristic	Unit	Value*	Comments
Mixing ratio	p.b.v. p.b.w.	1 : 1 1 : 0.94	comp. A : comp. B
Specific weight	kg / l	approx. 1.60 approx. 1.51 approx. 1.55	component A component B mixture
Viscosity	Pa·s	approx. 200	mixture
Pot life	min	approx. 8	
Curing time (until resistance to water is given) **	min	approx. 25 - 30	
Application conditions	°C	+ 8 to + 30 + 15 to + 25	air- and substrate temperature material temperature
Tensile strength	MPa	approx. 4.5	EN ISO 527-2
Elongation at break	%	approx. 40	EN ISO 527-2
Full chemical and mechanical resistance	d	7	

Product Characteristics for Konudur Flexfit CS

Cleaning agent	MC-Reinigungsmittel U (thinner)
Color	anthracite
Form of delivery	cartridge à 400 ml, 8 cartridges and 10 static mixers per box
Storage	If tightly sealed, the original packs can be stored for at least 6 months at temperatures between +5 and +20 °C. Same requirements apply to transport.
Pack disposal	Packs must be emptied completely.

* Unless otherwise stated, all technical data were determined at +23 °C and 50 % relative air humidity.

** All mentioned properties and results are identified at laboratory conditions. The description “resistance to water” refers to slightly running water. Within the first 24 h after application, protect the material against direct attack of water jet and intensive abrasion.

Edition 10/18. 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.

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