

Emckrete SFM thix

Thixotropic mortar for joints and fixing anchor holes

Product Properties

- Cement-based, ready to use - simply mix with water
- Exceptionally soft and smooth
- High initial and final strength values
- Chloride-free, non-shrinking
- High sulphate resistance, frost-resistant
- Water impermeable acc. to EN 12390-8
- Good stability, suitable for overhead applications
- High adhesive tensile strength on properly pre-treated substrate
- For joint filling with MC-HM Pump (manual mortar pump)
- For filling fixing anchor holes using the MC-HMA Pump (manual mortar pump)
- Pumpable
- Non-flammable to EN 13501-class A1

Fields of Application

For void-free, rigid filling (using the MC-HMA Pump) of

- Fixing anchor holes

For the vertical and horizontal filling (using the MC-HM Pump) of

- Joints, e.g. segment joints in prefabricated construction
- Door frames
- Spiral anchors for masonry

Application Instructions

General

Emckrete SFM thix is an exceptionally smooth and soft, thixotropic filling mortar with controllable swelling properties.

Substrate Preparation

The fixing holes or segment joints to be filled must be free of dirt, oils, grease and other adhesion-reducing substances. Dry or highly absorbent substrates must be adequately pre-wetted. Ensure effective removal of all excess water.

Mixing

Emckrete SFM thix is mixed with a compulsory mixer or with a slow-running agitator, ensuring a mixing time of at least 3 minutes.

Pour the mortar into predosed, clean water and mix until totally lump-free.
Only mix whole bags.

Application Method

Once mixed, apply Emckrete SFM thix immediately.

Using the manual mortar pump MC-HM Pump enables vertical and horizontal joints to be filled without formwork.

The MC-HMA Pump is particularly suitable for the rigid filling of fixing anchor holes.

Emckrete SFM thix can be pumped, e.g. with spiral pumps such as the Putzmeister S5 EVTm or PFT ZP 3 XL incl. Multimix compulsory mixer.

Curing

Emckrete SFM thix must be protected from drying out too quickly due to direct sunlight and wind. Conventional curing time takes 3 days.

Further Information

Stiffened mortar cannot be made workable again either with water or with fresh mortar.

Differing ambient and application temperatures will affect the hardening process.

Technical Data for Emckrete SFM thix

Characteristic	Unit	Value*	Comments
Colour		Grey	
Max. particle size	mm	1	
Water addition	l	approx. 5-5.1	per 25 kg bag
Mixing time	Minutes	3	
Dynamic E-modulus	N/mm ²	21500	after 28 days
Swelling ratio	%	approx. 1.8	
Shrinkage	mm/m	1.78	after 28 days
Dry bulk density	kg/dm ³	2.02	
Application time	Minutes	60 45 30	at + 5 °C at + 20 °C at + 35 °C
Flexural / Compressive strength ** air storage	N/mm ²	4.1/22.1 5.2/45.5 7.4/46.5	after 1 day after 7 days after 28 days
Flexural / Compressive strength ** water storage	N/mm ²	4.5/22.3 8.4/51.7 9.0/65.5	after 1 day after 7 days after 28 days
Working temperature	°C	≥ + 5 - ≤ + 35	Air/substrate and material temperature
Yield	l	approx. 13 - 14	per 25 kg bag

Product Characteristic for Emckrete SFM thix

Self-monitoring	EN ISO 9001
Cleaning agent	Water
Storage	Shelf life min. 12 months if stored dry in original, sealed packaging
Packaging	25 kg bags; 1 pallet (48 bags á 25 kg)
Packaging disposal	In the interest of the environment, please ensure the packaging is empty and residue-free prior to appropriate disposal.

* All technical values are laboratory results determined at +20 °C and 65 % relative humidity.

** Prism 40x40x160 mm

Safety advice

Please note the safety information and advice given on the packaging labels, safety data sheets and general application instructions. GISCODE: ZP 1

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 12/18. 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.