

PRODUCT PROPERTIES

- Ready to use - just mix with water
- High strength
- Swellable, shrink compensated
- Steady and overhead applicable
- Non-flammable according to EN 13501-1 - building material class A1
- Registered with DGNB (Code: K8ZPFG)
- Hand and wet spray application
- High carbonation resistance acc. to EN 13295
- Water impermeable according to EN 12390-8
- Certified according to EN 1504-3, class R3

AREAS OF APPLICATION

- Assembling mortar for various parts
- Fulfilling of segmental joints in the precast manufacture
- Underfilling of steel and concrete constructions
- Filling of hollow spaces and gaps
- Masonry mortar

APPLICATION ADVICE

Substrate Preparation: The substrate must be clean, solid, load bearing and free from anti-adhesive substances. The substrate should be prewetted before the mortar is applied. It should be matt-damp, but not saturated with water.

Mixing: The content of Emckrete MFT is stirred in a pan mixer or in a rotary-drum mixer with a slow-moving agitator (max. 400 REV/ min). Mixing takes at least 3 minutes. Stirring continuously, until the mixture has a homogenous, lump-free consistency.

Application: Emckrete MFT can be applied by hand or wet spraying. The manual application is done by trowel, steel finisher and jointing iron. For the filling of precast joints the hand mortar pump MC-HM Pump is used. A spiral pump is advised for the spray application. Please request our assistance.

Curing: Emckrete MFT must be protected from drying out too rapidly as well as from direct sunlight and wind exposure. The curing duration usually takes 3 days.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Working time	hours	1 - 1.5	
Application conditions	°C	≥ 5 ≤ 35	air, substrate and material temperatures
Maximum grain size	mm	4	
Compressive strength	N/mm ²		
24 h		10	
7 d		39	
28 d		54	
Flexural strength	N/mm ²		
24 h		3	
7 d		6	
28 d		8	
Water penetration depth	mm	29	at 5 bar gauge pressure per EN 12390-8
Water addition	l	approx. 3.6	per 25 kg
Yield	l	approx. 13	per container
Layer thickness	mm	> 10 ≥ 50	
Resistance to carbonation	mm	1.5	EN 13295

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

Colour	grey
Delivery form	25 kg bag; 1 pallet (42 bags @ 25 kg)
Self-monitoring	EN ISO 9001
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs.
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 : ZP1

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. [2300018342]