

# Emckrete B60F

Hydraulically setting grouting and anchoring mortar



## PRODUCT PROPERTIES

- Ready to use – simply mix with water
- Highly flowable
- High early and final strengths
- High adhesive strength on properly prepared concrete and masonry
- Non-shrinking
- Resistant to frost and de-icing salts
- Certified according to EN 1504-6 and EN 1504-3

## AREAS OF APPLICATION

- Grouting concrete for precision machinery, machine foundations, bridge bearings, crane rails, turbines, engines, steel constructions
- Grouting concrete for fastening bolts, steel elements in concrete, rigid joints between precast elements or between precast elements and in-situ concrete

## APPLICATION ADVICE

**Substrate Preparation:** Please refer to the data sheet “General Application Advice for hydraulically cured grouting concrete and grouting mortars”.

**Mixing:** Please refer to the data sheet “General Application Advice for hydraulically cured grouting concrete and grouting mortars”.

**Application:** Please refer to the data sheet “Application Advice for hydraulically cured grouting concrete and grouting mortars”.

**Note:** Emckrete B60F has excellent adhesive properties on well-prepared substrates. The use of bonding agents, especially reactive polymer-based ones, is not permitted.

**Curing:** Emckrete B60F must be protected quickly from direct sun and wind in order to avoid water loss. Curing usually takes 3 days.

Please refer to the data sheet “Application Advice for hydraulically cured grouting concrete and grouting mortars”.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Maximum grain size	mm	3	
Grouting height	mm	10 – 75	
Water addition	L	approx. 3.0 – 3.25	per 25 kg
Working time	min	30	at 20° C
Wet bulk density	g/cm3	2.1 – 2.3	factory-dried mortar
Application temperature	C°	≥+5	air, substrate and material temperatures
Slump flow	mm	600	
Expansion	%	≤1.0	
Flexural strength	MPa		
24 h		≥ 7	
7 d		≥ 8	
28 d		≥ 10	
Compressive strength	MPa		
24 h		≥ 45	
7 d		≥ 60	
28 d		≥ 80	
E-modulus	GPa	approx. 33	after 28 days
Consumption	kg/dm3	2.05	

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

Monitoring	ISO 9001 and 0754
Harmonized standard	EN 1504-6 and EN 1504-3
Delivery from	25 kg bags (48 bags per pallet)
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 in this data sheet must be adapted by the installer, specialist planner, and/or building inspector to the respective construction project, intended use, and specific local conditions. Any non-standard local conditions must be taken into account, and application-specific conditions must be reviewed in advance by the planner/specifier. Deviations from the specified standard conditions 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.