Emcekrete 60 A

Hydraulically setting grouting concrete

Product Properties

- Ready to use - simply mix with water
- Highly flowable, high early and final strengths
- Swellable, shrink compensated
- High adhesive tensile strength on properly treated concrete surfaces
- Pumpable, chloride free acc. to EN 934-1
- Very high resistance to frost and de-icing salts acc. to CDF test (weathering 611 g/m², 56 FT-cycles)
- Water impermeable according to EN 12390-8
- Non-flammable according to EN 13501- class A1
- Registered with DGNB* (Code: T24SS6)
- Certified as a grouting concrete according to DAfStb guideline "Production and use of cement-based grouting concrete and mortar"
- Certified as an anchoring product according to EN 1504-6

Areas of Application

- Grouting concrete for precision machinery, machine foundations, bridge bearings, crane rails, turbines, engines, steel-constructions
- Grouting cobcrete for fastening bolts, steel elements in concrete, rigid joints between precast elements or between precast elements and in-situ concrete
- Grouting concrete for setting columns in sleeve foundations, grouting of cavities and hollow spaces
- Suitable according to EN 206 for exposure classes XO, XC 1-4; XD 1-3; XS 1-3; XA 1-3, XF 1-4
- Exposed to alcali silica reaction for moisture classes WO, WF, WA

Application Notes

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”.

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

Note
Emcekrete 60 A has excellent adhesive properties on well prepared substrates.

The use of bonding agents, especially reactive polymer-based ones, is not permitted.

Emcekrete 60 A is not suitable for grouting of large area surfaces.

Emcekrete 60 A is pumpable using suitable equipment. Please ask for our technical assistance.

Curing
Emcekrete 60 A 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”.

MC-Bauchemie • Am Kruppwald 1-8 • 46238 Bottrop • Tel. +49 (0) 20 41-101 50 • Fax: +49 (0) 20 41-101 588
info@mc-bauchemie.de • www.mc-bauchemie.de

Technical Data for Emcekrete 60 A

Characteristic	Unit	Value**	Comments
Grain size	mm	0 - 8	
Grouting thickness	mm	25 - 200	
Added water	l	2.3 - 2.4	per 25 kg bag
Outflow class		a3	(a3 ≥ 700 mm)
Swelling value, 24h	%	>+0.1	
Shrinkage class		SVKB 0	$\varepsilon_{s,\,m,\,91} \leq 0.6$ ‰
Early strength class		A	$f_{c,\,cube,\,24\,h} \geq 40$ N/mm²
Flexural strength	N/mm²	6.5/7.5/8.5	after 1d/7d/28d
Compressive strength***	N/mm²	50.5/70/95/105	after 1d/7d/28d/91d
Compressive str. class	N/mm²	C80/95	
Static E-modulus	N/mm²	37,000	at 28 days acc. to EN 13412
Coverage	kg/dm³	2.09	
Wet gross density	kg/dm³	2.35	
Water permeability, 5 bar	mm	4	acc. to EN 12390-8
Freeze thaw with de-icing salts	g/m²	611	weathering, 56 FT-cycles acc. to CDF
Processing time	minutes	60/90/75	approx. at +5°C / +20°C / +35°C
Processing temperature	°C	> +5 < +35	air/substrate/material temperature

Product characteristics for Emcekrete 60 A

Internal production monitoring	DIN EN ISO 9001
Storage	Can be stored for at least 12 months in closed packs under dry and frost-free conditions.
Form of Delivery	25 kg bag; 1 pallet (40 bags of 25 kg each)
Disposal	To protect our environment please empty the packs completely.

* DGNB: German Sustainable Building Council
**according to DAfStb guideline; please request our consulting!
*** cube: 150x150x150 mm
Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

Safety advice

Please note the safety information and advice given on the packaging labels, safety data sheets and general application advice. GISCODE: ZP1

Edition 11/20. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technical-ly revised new edition is issued, this edition becomes invalid.

MC-Bauchemie • Am Kruppwald 1-8 • 46238 Bottrop • Tel. +49 (0) 2041-101 50 • Fax: +49 (0) 2041-101 588
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