Emcekrete 60 A

Hydraulically setting grouting concrete

BE SURE. BUILD SURE.

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
- 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
- Registered with DGNB (Code: T24SS6)

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 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”.

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-Building Chemicals Müller & Partner
Killycard Industrial Estate · Castleblayney, Co. Monaghan
Phone +353 42 97 51 520 · Fax +353 42 97 49 361
info@mc-buildingchemicals.ie · www.mc-bauchemie.ie

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Working time	minutes	approx. 60	at 5° C
		approx. 90	at 20 °C
		approx. 75	at 35° C
Application conditions	°C	> 5 < 35	Temperatura del aire, soporte y material
Consumption	kg/dm³	2.09	
Maximum grain size	mm	8	grading curve from 0 mm
Compressive strength [1)]	N/mm²		
24 h		50.5	
7 d		70	
28 d		95	
91 d		105	
Flexural strength	N/mm²		
24 h		6.5	
7 d		7.5	
28 d		8.5	
Resistance to de-icing salts	g/m²	611	weathering, 56 FTW per CDF
Wet bulk density	kg/dm³	2.35	
Grouting height	mm	≥ 25	
		≤ 200	
Water addition	l	2.3 - 2.4	per 25 kg
Slump flow class		a3	≥ 700 mm
Swelling dimension	%		> 0.1 according to DAfStb guidelines
24 h		≥ 0.1	
Shrinkage class		SKVB 0	$\varepsilon_{s,m,91} \leq 0.6$ ‰
Early strength class		A	fc, cube, 24 h ≥ 40 N/mm²
Compressive strength class	N/mm²	C80/95	
E-modulus (static)	N/mm²	37,000	
Water penetration depth	mm	4	at 5 bar gauge pressure per EN 12390-8

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

1) Cube: 150 x 150 x 150 mm

Delivery form	25 kg bag; 1 pallet (40 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

MC-Building Chemicals Müller & Partner
Killycard Industrial Estate · Castleblayney, Co. Monaghan
Phone +353 42 97 51 520 · Fax +353 42 97 49 361
info@mc-buildingchemicals.ie · www.mc-bauchemie.ie