Emcekrete DBS 5-F

Hydraulically setting flash grout

BE SURE. BUILD SURE.

PRODUCT PROPERTIES

- Fast hardening grout
- Ready to use - just mix with water
- Extremly high early strengths
- Highly flowable
- Shrink compensated
- Chloride free
- Frost resistant
- Tested according to VeMBR - Rili of DAfStb
- Certified according to EN 1504-6
- Registered with DGNB (Code: T6G9MC)
- GISCODE: ZP1

AREAS OF APPLICATION

- Grouting work where early loading is required
- Grouting of rail pylons
- Grouting of masts

APPLICATION ADVICE

Description: Emcekrete DBS 5-F is a fast hardening grout. Emcekrete DBS 5-F is easy to mix with water, highly flowable, shrinkage free, chloride free, frost resistant and without risk of demixing. Emcekrete DBS 5-F has a good adhesion to concrete and steel. The binding agent of Emcekrete DBS 5-F is certified according to DIN EN 197.1, the aggregates according to DIN EN 12620 and DIN EN 13139 and the admixtures according to DIN EN 934-2.

Substrate preparation: Please refer to the data sheet “General Application Advice for hydraulically curing grouts”.

Mixing: The mixing-time for Emcekrete DBS 5-F is 120 seconds divergently to the data sheet “General Application Advice for hydraulically curing grouts”.

Form work instructions: Please refer to the data sheet “General Application Advice for hydraulically curing grouts”.

The form work has to be leak proof and preferably not absorbent. The grout must be applied without cavities. Furthermore the product should be applied without interruption. Please take extra care to let all air blow out from the grouting area.

After treatment: Please refer to the data sheet “General Application Advice for hydraulically.“

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Working time	minutes	approx. 3 - 5	at 20° C
Application conditions	°C	≥ 5 ≤ 30	air and substrate temperatures
Consumption	kg/dm³	2.29	
Maximum grain size		≤ 4	grading curve from 0 mm
Compressive strength	N/mm²		
1 h		approx. 10	determined using the prism (mm) 40 x 40 x 160
24 h		approx. 16	determined using the prism (mm) 40 x 40 x 160
28 d		approx. 51	determined using the prism (mm) 40 x 40 x 160
Flexural strength	N/mm²		
1 h		approx. 2	determined using the prism (mm) 40 x 40 x 160
24 h		approx. 4	determined using the prism (mm) 40 x 40 x 160
28 d		approx. 7	determined using the prism (mm) 40 x 40 x 160
Slump dimension	mm	≥ 20	
		≤ 30	Vicat ring without tapping
Water addition	l	approx. 3.25	
Swelling dimension	%		water storage at 20 °C
24 h		approx. 0.1	per VeBMR-RiLi of the DAfStB
Layer thickness	mm	12	minimum total layer thickness
Yield	l	11	per container

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

Delivery form	25 kg bags; 1 pallet (40 bags @ 25 kg)
Self-monitoring	EN ISO 9001
Storage	Can be stored in cool and dry conditions for at least 3 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

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