

Emcekrete DBS 5-F

Hydraulically setting extremely fast grouting mortar

Product Properties

- Fast hardening grout
- Ready to use - just mix with water
- Extremely high early strengths
- Highly flowable
- Shrink compensated (DBV 5.6 data sheet)
- Chloride free
- Frost resistant
- Tested according to VeMBR - Rili of DAfStb
- Certified according to EN 1504-6
- GISCODE: ZP1

Areas of Application

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

Application Notes

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 curing grouts".

Technical Data for Emckrete DBS 5-F

Characteristic	Unit	Value	Comments
Grain Size	mm	0 - 4	
Min. layer thickness	mm	12	
Added water	l	approx. 3.25	per 25 kg bag
Processing time	minutes	approx. 3 - 5	at 20 °C
Processing conditions	°C	≥ +5 - ≤ +30	substrate / air
Spread	mm	20 - 30	Vicat-ring without hits
Efficiency	l	11	per bag
Consumption	kg/dm ³	2,29	
Compressive strength			
after 1 h	N/mm ²	approx. 10	
after 24 h		approx. 16	
after 28 d		approx. 51	
Flexural strength			
after 1 h	N/mm ²	approx. 2	
after 24 h		approx. 4	
after 28 d		approx. 7	

Product characteristics for Emckrete DBS 5-F

Factory production control	under the terms of DIN EN ISO 9001
Storage	In closed bags under dry and frost-free conditions, can be stored for at least 3 months.
Form of Delivery	25 kg bags 1 pallet (40 bags of 25 kg each)
Disposal	To protect our environment please do not leave any residue in packaging before disposal.

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.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 04/16. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.