



BE SURE. BUILD SURE.

Emckrete AGX

High flow structural infill grout

Product Properties

- Excellent workability with high flowability
- Extended working time
- Excellent anti-wash out properties

Areas of Application

- In fill of annulus gap in various pipe or tunnel lining works
- In fill of cavity in panel wall or jacketing system
- Backfill grout in tunnel and cable trench works

Application

Description

Emckrete AGX is a premixed grout based on a special blend of hydraulic binders, plasticisers and stabilising additives and fillers.

It is designed to give a stable cohesive grout that is free flowing and pumpable over a long distance and extended time in underwater condition.

The typical working time is 7 hours under normal conditions of 26°C.

Further working distance and time may be achieved with chilled water.

Mixing

Mix 4.5 to 5.0 litres of water for 25 kg of **Emckrete AGX** with a high speed shear mix with no less than 1000 rpm.

Add powder to water and mix for 2 to 3 minutes to obtain a homogeneous creamy fluid grout.

If mixed grout is transferred to a large holding vessel with an agitator, slow speed agitation of less than 100 rpm shall be used.

Application

Emckrete AGX may be poured to flow by gravity or pumped for faster output.

Once installed and before its final set, grout shall not be subjected to excessive vibration to allow homogeneous development of the grout matrix.



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Technical Data for Emckrete AGX

Characteristics	Unit	Value	Comments
Fresh Wet Mix Density	kg/dm ³	2.0	
Water Dosage	litres	4.5 – 5.0	per 25kg bag
Typical Yield	litres	14.8	per 25kg bag
Flow (BS cone)	mm	> 270	(t = 0 minutes)
		> 250	(t = 2 hours)
		> 230	(t = 4 hours)
Compressive Strength (ASTM C942)	N/mm ²	~ 25.0	1 day
		~ 50.0	3 days
		~ 65.0	28 days
Flexural Strength	N/mm ²	~ 11.0	7 days
		~ 14.0	28 days

Product Characteristics for Emckrete AGX

Packaging	25 kg bag
Storage	Can be stored in shaded, cool and dry conditions for 6 months in original unopened packs.
Disposal	In the interest of the environment, please empty all bags completely and dispose of in accordance with statutory regulations.

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information sheets.

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 08/15. 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.