



BE SURE. BUILD SURE.

Emckrete AG AUS

High flow annulus infill grout

Area of Application

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

Product Properties

- High stable even applied under water
- High flowability over 5 hours for large volume application without chilling
- Variable water dosage to suit desired flow consistency and strength requirement
- Shrinkage compensated

Application

Description

Emckrete AG AUS is a premixed grout based on a special blend of hydraulic binders, plasticizers and stabilizing additives.

It is designed to give a stable cohesive grout that is pumpable over a long distance and extended time.

The typical working time is 5 hours under normal conditions of 24°C. Further working distance and time may be achieved with chilled water.

Mixing

Mix weighted water to Emckrete AG AUS with a high-speed shear mix with no less than 1000 rpm.

Add powder to water and mix 1 to 2 minutes to obtain a homogeneous creamy fluid grout. If mixed grout is transferred to a holding vessel with agitation, slow speed agitation of less than 100 rpm shall be used.

Emckrete AG AUS may be poured to flow by gravity or pumped for faster output where hydraulic friction is unpredictable or significant auxiliary pumping is recommended.

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

Technical Data for Emckrete AG AUS

Characteristic	Unit	Characteristic			Comments
		0.7	0.8	0.9	
Water-powder ratio		0.7	0.8	0.9	
Water dosage / 20kg bag	l/kg	14	16	18	
Flow time (t- 0 min)	Sec	11	11	10	ASTM C939
Flow time (t- 5 hours)	Sec	15	15	10	ASTM C939
Density	kg/l	1.65	1.55	1.50	
Bleeding	%	0	0	2	ASTM C 940
Strength (7days)	Mpa	6	4	2	ASTM C 942
Strength (28 days)	MPa	15	12	7	ASTM C 942
Viscosity	(mPa*s)	5000	4000	2000	



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Product Characteristics for Emcekrete AG AUS

Packaging	20 kg or 1000kg bulk bag
Storage	Store in dry condition
Disposal	In the interest of the environment, please empty all bags completely & in accordance with local 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 01/21. 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.