

JOINTING

Elementfogbruk Vinter

Bemix Elementfogbruk Vinter is an expanding mortar for usage such as simple casting, jointing and underpouring in temperatures below freezing. This product is pumpable and is mainly used for filling cavities and under casting of pillars and machines. This mortar is also used for other types of casting work such as staircases, foundations and supporting walls.

Work description

Application advice:

The surfaces of the joints should be clean and free of dust, damage, grease and other contaminants that could impair adhesion. Pre-water at least 24 hours before time. Remove excess water before casting. Rough surfaces give better adhesion. This mortar can be applied manually and carefully packed. It can also be applied with a pump intended for the purpose. Ensure that the underpouring and joints always is completely filled to avoid cavities.

Mixing:

Mixing mechanically for approximately 5 minutes in a slow-action mixer, such as a flat or free-fall mixer. Smaller quantities can be mixed with a mixer attachment. The concrete mix should have a temperature of approximately 20°C. Compensate cold dry material with warm water and vice versa. Watering should not be done if applying in temperatures below freezing.

Aftertreatment:

Semi-hardened material can be adjusted with a finishing trowel. Free and undamaged surfaces should be treated immediately after casting with a thin, light mist of water that cannot mechanically damage the material. As soon as the mortar is hard, water carefully and cover the surface with plastic. Keep the mortar damp for at least one week after application and try to keep an even temperature of 15°C during the curing time. Temperatures below freezing: aftertreatment/finishing should not be performed in temperatures below freezing. Winter application: The mix hardens and cures without heating even if the temperature of the mix itself drops well below 0 °C.

Technical data

Property	Value	Method
Consumption	25 kg gives about 12.5 liters of mix	
Binder	Cement CEM II/A-V 52,5N	
Stone max	4 mm	
Recommended cast thickness	20–100 mm	
Max water quantity	3.35 liters / 25 kg	
WCR with max water quantity	0,45	
Fresh mortar		
Property	Value	Method
Expansion	>0 %	
Usable time at 20°C	Approx. 30 min	
Begins to set after	Approx. 2 h	
Cured mortar		
Property	Value	Method
Compressive Strength 28 days 20 °C	> 40 MPa	EN 12190
Compressive Strength 28 days -10 °C	> 20 MPa	EN 12190
Water seal	Yes	SS 137003:2015
Exposure class	XC4/XF1/XA1	SS 137003:2015

Packaging

The product is supplied in 25 kg bags and 1000 kg big bags.

Storage

25 kg bags should be used within 12 months from the date of manufacture on the package. Assuming the material is stored dry in unbroken packaging. Big bags that are stored dry and covered should be used within 6 months from date of production.

Finja cannot take any responsibility for information that deviates from the technical data sheet. Conditions outside of Finja's responsibility are, for example, handling, processing, work execution, etc. reactions with other materials as well as local conditions at the storage or workplace. Always see current information at www.finja.se

The logo for FINJA, consisting of the word "FINJA" in a bold, sans-serif font. The letters "I" and "N" are connected. The logo is underlined with a thick black line.