

JOINTING

Bemix F4

Bemix F4 is a thixotropic, expanding, pumpable jointing compound. It is used for sealing and jointing concrete elements and granite blocks. With its thixotropic consistency, it is the first choice for vertical joints. Easily applied with pumping equipment or by hand. Also suitable for horizontal joints and other types of cast joints.

Work description

Preparation:

Clean the substrate carefully and if possible pre-water 24 hours before casting.

Mixing:

Is done 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. In sub-zero temperatures use Bemix F4 FF.

Application advice:

The surfaces of the joints should be clean and free of dust, damaged concrete, grease or other contaminants that could impair adhesion. Pre-water for at least 24 hours. Remove surface water immediately before casting. Rough surfaces give better adhesion. The concrete is applied manually and carefully packed. The concrete can also be pumped with a purpose-designed concrete pump. Ensure that joints and underpourings are always completely filled so as to avoid cavities.

After treatment:

Semi-hardened material can be adjusted with a finishing trowel. Free and undamaged surfaces should be treated immediately after casting with a thin, light misting of water that cannot mechanically damage the material. As soon as it is hard, water for a long period and cover with plastic. Keep the concrete damp for at least a week after application and try to keep an even temperature of 15°C while it is curing.

Technical data

General		
Property	Value	Method
Consumption	25 kg gives approx 12.5 litres of concrete mix	
Binder	Cement CEM III/A-V 52,5N	
Stone max	1 mm	
Recommended cast thickness	5–50 mm	
Max water quantity	4.0 litres / 25 kg	
WCR with max water quantity	0,46	
Fresh mortar		
Property	Value	Method
Usable time at 20°C	Approx 30 min	
Begins to set after	Approx 2 h	
Cured mortar		
Property	Value	Method
Pressure resistance at 20 °C		
After 24 hours	> 10 MPa	EN 12190
After 28 days	> 40 MPa	EN 12190
Water seal	Yes	SS 137003:2015
Exposure class	XC4/XF3/XA1	SS 137003:2015

Packaging

The product is supplied as standard in 25 kg sacks but can normally also be obtained in 1000 kg big sacks.

Storage

Use within 12 months of the date of manufacture given on the pack. Store in a dry place.

Finja cannot be held responsible for information other than that given in Technical data being correct. Conditions that are outside Finja's responsibility can be e.g. handling, treatment, working methods, possible reactions with other materials and local conditions at the storage or workplace. For current information always refer to www.finja.se

The logo for FINJA, consisting of the word "FINJA" in a bold, sans-serif font with a horizontal line underneath.