

JOINTING

Elementfogbruk Extra

Bemix Elementfogbruk Extra is mainly used when joining prefabricated concrete elements with high demands on strength. The product is pumpable and can be used for filling cavities and underpouring for pillars and machines, as well as for filling core joints for element joints etc. Can also be used for other types of casting work such as stairs, foundations and supporting walls.

Work description

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.

Mixing:

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.

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 carefully 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. In sub-zero temperatures use Bemix Element jointing compound FF.

Technical data

General		
Property	Value	Method
Consumption	25 kg gives about 12.5 litres of mix	
Binder type	Cement CEM III/A-V 52,5N	
Stone max	4 mm	
Recommended cast thickness	20–150 mm	
Max Water quantity	3.5–3.7 litres/ 25 kg	
WCR with max water quantity	0.37	
Fresh mortar		
Property	Value	Method
Expansion	Ca 0.5 %	
Usable time at 20 °C	Approx 30 min	
Begins to set after	Approx 2 h	
Cured mortar		
Property	Value	Method
Pressure resistance	> 70 MPa	EN 12190
Water seal	Yes	SS 137003:2015
Exposure class	XC4/XS3/XD3/XF1/XA1	SS 137003:2015

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