

UNDERPINNING

P3

Bemix P3 is a pumpable, certified universal concrete that dries out rapidly. Running consistency with good pumpability and easily applied with a flexible Bemix pump.

Work description

Preparation:

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

Mixing:

Do not mix by hand. The best mixer is a rapid mixer type Rojo 50, automatic mixer or flat mixer. For smaller quantities, mixing with a drill and mixer attachment works well. Mix to an even and clump-free consistency. Always pour in the water first. Use a graduated mixing vessel and ensure that the temperature of the mix is 20°C. The mixed grout must be used within 20 minutes.

Casting:

The mix is pumped or poured into the mould continuously and as quickly as possible. There must be no interruptions until casting is finished. Vibrate the concrete with suitable equipment so that no air pockets occur. When pouring floors level off the height afterwards, as the material is laid out.

Reinforcement:

Castings should normally be reinforced. This is especially important when casting floors. The reinforcement is laid in the mould/formwork before casting with the recommended covering layer.

After treatment:

Concrete that needs to be removed is scraped off with a finishing trowel once it has hardened sufficiently. The work can be made easier by pushing a sheet of metal down onto the concrete to form a limitation and assist chiselling.

After-curing:

When after treatment is done protect free surfaces from drying out. Use a water mist and lay wet rags, sawdust or sand. Alternatively, protect with plastic sheeting. Keep damp for the whole first week. Where rapid drying out is needed where water cannot be used, apply a membrane hardener or equivalent as soon as the concrete can be walked on.

Removing formwork:

If there is a risk of drying out the formwork should remain in place for a week. Otherwise the formwork can be removed the day after casting.

Technical data

Technical information		
Property	Declared value	Method
General		
Binder type	Cement CEM III/A-V 52,5N	
Stone max	4 mm	
Consumption	25 kg gives 12.5 litres of mix	
Layer thickness	Unreinforced 20–150 mm	
Max water addition	3.25 litres/25 kg	
WCR with max water addition	0,41	
Fresh mortar		
Expansion	> 0%	
Cured mortar		
Compressive strength at 20°C		
After 28 days	> 60 MPa	EN 196-1
Exposure class	XC4/XS2/XD2/XF3/XA1	SS 13703:2015

Packaging

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

Storage

Use with in 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. The letters "I" and "N" are connected. Below the text, there are two horizontal lines of varying lengths, with the longer one under "FINJA" and the shorter one under "JA".