

# High Tech 310 FF

**Bemix High Tech 310 FF is easy to apply by hand or with suitable pumping equipment. Cures in temperatures down to -10°C. Used for jointing of concrete elements and natural stone where a joint with good seal and high adhesion is required. Also suitable for smaller filing jobs where formwork cannot be used.**

## 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 concrete must be used within 20 minutes.

### Jointing:

The mix is pumped into the joints with a Bemix concrete pump. Smaller quantities can be applied manually into the joint with a Bemix concrete injector.

### After treatment:

Concrete that needs to be removed is scraped off with a finishing trowel once it has hardened sufficiently. Visible surfaces in the joint are shaped to the required appearance.

### After curing:

When after treatment is done protect free surfaces from drying out. Apply a water mist and protect with plastic sheeting. Keep damp for the whole first week. Sub-zero temperature: after-watering should not be done if applying in sub-zero temperatures.

## Technical data

General		
Property	Value	Method
Consumption	25 kg gives about 12.5 l of mix	
Binder type	Cement CEM I 52,5 R	
Stone max	1 mm	
Layer thickness jointing	Unreinforced 5–40 mm	
Layer thickness other applications	Unreinforced 5–20 mm	
Max water quantity	3.75 litres/ 25 kg	
WCR with max water quantity	0.39	
Fresh mortar		
Property	Value	Method
Usable time at 20°C	Approx 30 min	

**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](http://www.finja.se)**

Begins to set after	Approx 2 h	
Cured mortar		
Property	Value	Method
Compressive strength at 20 °C		
After 24 hours	>25 MPa	EN 12190
After 28 days	>50 MPa	EN 12190
Compressive strength -10 °C		
After 3 days	>10 MPa	EN 12190
After 28 days	>25 MPa	EN 12190
Watertight	Yes	SS 137003:2015
Exposure class	XC4/XS3/XD3/XF3/XA1	SS 137003:2015

## Packaging

The product is supplied as standard in 25 kg sacks.

## Storage

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