

UNDERPINNING

S3

Bemix S3 is an expanding grout for underpourings. Especially suitable for casting free areas such as in-situ casting, foundations etc. The fibres help to hold the fresh mix together, which simplifies underwater casting, with special equipment. Very good pumpability and frost resistance.

Work description

Preparation:

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

Mixing:

A rapid mixer, automatic mixer or flat mixer should be used. A mixer attachment or paint mixer works well for smaller quantities. Note! To good as good a running consistency as possible the temperature of the mix should be approximately 20°C. Compensate cold dry material with warm water.

Pumping:

Bemix S3 can be pumped with a Bemix pump. Always start pumping with a slurry, a loose mix of cement and water.

Casting:

The mixture must be used within 20 minutes after mixing. Fill from one side. Avoid trapping air pockets. Mix and pour at an even pace.

After treatment:

Free, undamaged surfaces should be treated immediately after casting with a thin, light misting of water that cannot mechanically damage the material. As soon as the surface has hardened enough to stand watering it should be watered for a long period or, best of all, covered with plastic, water saturated industrial felt or jute fabric.

Technical data

General		
Property	Value	Method
Consumption	25 kg gives about 12.5 litres of mix	
Binder	Cement CEM III/A-V 52,5N	
Stone max	4 mm	
Recommended cast thickness	20-150 mm	
Max water addition	3.4 litres / 25 kg	
Fresh mortar		
Property	Value	Method
Consistency after 5 min	360 > mm	SP 1651
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	>20 MPa	EN 12190
After 28 days	>60 MPa	EN 12190
Water seal	Yes	SS 137003:2015
Exposure class	XC4/XS3/XD3/XF4/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

