

## Single component cementitious high strength bedding mortar

### Uses

Conbextra Bedding Mortar is used in the structural bedding in of precast modular concrete units.

### Advantages

- Non-shrink
- High strength
- Chloride free
- Produces a masonry mortar capable of giving a smooth finish
- Easy to use no priming required
- Pre-blended to overcome site batching variations
- Low wastage due to ability to mix part packs
- Rapid strength gain
- Only addition of water required

### Standards compliance

BS 6920: 2014 Effect on Water Quality.

List of Approved Products for use in Public Water Supply in the United Kingdom.

### Description

Conbextra Bedding Mortar is supplied as a ready to use dry powder, and only requires the addition of clean water. Conbextra Bedding Mortar is a blend of Portland cements, chemical additives and graded aggregates.

### Properties and product details

Compressive Strength @ 20°C BS6319 Part 2 1983 at a water powder ratio 0.12	1 day	30 N/mm <sup>2</sup>
	7 days	55 N/mm <sup>2</sup>
	28 days	70 N/mm <sup>2</sup>
Water content per 25kg bag	3.0- 3.25 litres	
Supply	25 kg bags	
Yield	Approx. 12 litres	
Shelf life	12 months	

### Application Instructions

Ensure substrate is free from oil, paint and other contaminants that would prevent good adhesion. To obtain maximum adhesion, remove by grit blast or grinding any loose friable substrates. The surface should be clean. Pre-soak substrate with water ensuring there is absolutely no free water prior to bedding in.

### Mixing

Care should be taken to ensure Conbextra Bedding Mortar is thoroughly mixed.

For hand applied applications a forced action mixer is required. For a single bag the product can be mixed in a drum using a Renderoc Mixing Paddle (MR4) and a slow speed (400 – 500 rpm) heavy duty drill. Part bags may be mixed but careful measurement of the mixing water is essential.

In all applications the powder is always to be added to the water, whilst continuously mixing. 3.0 - 3.25 litres of clean drinking water should be added to the mixing vessel for each 25kg bag of powder.

To obtain the correct handling characteristics and product performance the mixing instructions should be followed.

### Placing

Place the Bedding Mortar within 20 minutes of mixing in order to maintain workability.

The mortar should be applied by trowel. Use a dampened steel trowel to finish.

### Finishing

Material should be cut back whilst wet to the required profile by use of hand trowel. Ensure all material is removed from the substrate whilst still wet.

### Curing

On completion of the application, exposed areas should be thoroughly cured with application of water and/or wet hessian.

### Yield

Allowance should be made for wastage when estimating quantities required.

The approximate yield per 25 kg bag is approximately 12 litres.

### Cleaning

Conbextra Bedding Mortar should be removed from tools, equipment, and mixers with clean water immediately after use. Cured material can only be removed mechanically.

### Limitations

Conbextra Bedding Mortar should not be used when the temperature is below 5°C and falling. The product should not be exposed to moving water during application. Exposure to heavy rainfall prior to final set may result in surface scour.

When the air or contact surface temperatures are 5°C or below on a falling thermometer, warm water (30°C to 40°C) is recommended to accelerate strength development. Substrates should be free from ice.

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Normal precautions for winter working with cementitious materials should then be adopted, specifically protecting the mortar from freezing in the first 48 hours after placing.

At ambient temperatures above 35°C the mixed material should be stored in the shade.

## Storage conditions

Store unopened bags in cool dry internal conditions.

Conbextra Bedding Mortar has a shelf life of 12 months if kept in a dry store in sealed bags. If stored in high temperature and high humidity locations the shelf life may be reduced to less than 6 months.

Conbextra Bedding Mortar is not supplied in waterproof packaging; individually or palletised.

## Precautions

### Health and safety

For further information refer to the appropriate Safety Data Sheet also available at [www.fosroc.com](http://www.fosroc.com).

### Fire

Conbextra Bedding Mortar is non-flammable

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#### Important note

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