

Single component cementitious high strength bedding mortar

Uses

Conbextra Bedding Mortar Plus is used in the structural bedding 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

Description

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

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| Compressive strength @27°C, ASTM C109 at water powder ratio of 0.15 | 1 day 45 N/mm ² |
| | 7 days 70 N/mm ² |
| | 28 days 90 N/mm ² |
| Water content per 25kg bag | 3.75 - 4.0 litres |
| Supply | 25 kg bags |
| Yield | Approx. 12 litres |
| Shelf life | 6 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 Plus 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. 3.75 - 4.0 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 Plus 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 Plus 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.

Conbextra Bedding Mortar Plus

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 Plus has a shelf life of 6 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 3 months.

Conbextra Bedding Mortar Plus 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.

Fire

Conbextra Bedding Mortar Plus is non-flammable