



Fosroc Conbextra PM

Single component cement based pumping and injection mortar

Uses

Conbextra PM is designed for structural grouting of gaps in precast units, cavities and anchoring tie rods and bolts in tunnels

Advantages

- Fast installation rate
- Pumping application
- Easy to use no primer required
- Rapid strength gain
- Shrinkage compensated
- Thixotropic

Description

Conbextra PM is a single pack cement based pumping mortar, blended from cements, fine aggregates and admixtures. It requires only the addition of clean water to produce an easily pumped thixotropic mortar.

Application instructions

Surface preparation

To obtain maximum adhesion remove dirt and loose friable substrates to provide a clean open faced cavity. Ensure substrate is free from oil, paint and other contaminants that would prevent good adhesion. Pre-soak substrate with water.

Mixing

Care should be taken to ensure Conbextra PM is thoroughly mixed. When pump applying a forced action mixer sited over or adjacent to the pump chamber is recommended. For hand applied applications a forced action mixer is required. For single bag the product can be mixed in a drum using a MR4 mixing paddle and a slow speed(400-500 rpm) heavy duty drill.

In all applications the powder is always to be added to water. 3.1 litres of clean drinking water should be added to the mixing vessel for each bag of powder. The product should be mixed for a minimum of 3 minutes and a maximum of 5 minutes after adding all the contents.

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

Application

Pump application by use of rotor stator or worm pump capable of mixing this particle size, using 25mm ID hosing. Hand application by pointing gun or trowel is also possible

Finishing

Material should be tooled or cut back whilst wet to the required profile by use of hand trowels or a standard pointing tool. Ensure all material is removed from the substrate face whilst still wet.

Typical Properties

Characteristic	Result
Consistency	Powder
Solid contents	100%
Compressive strength	1 day 20 MPa 7days 35 MPa 28days 50 MPa
Application temperature:	5 - 50 °C
Service temperature range:	-40 to 100°C

Cleaning

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

Limitations

Conbextra PM should not be used when the temperature is below 3 degree 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.

Estimation & Supply

Supply : 25kg bags
Yield : Approx. 13.1 litres

Storage

Shelf life

12 months if stored in the original unopened sachets in a cool dry place. Do not store in direct sunlight.

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Precautions

Health and safety

Conbextra PM may be harmful if swallowed or inhaled and may cause skin and eye irritation.

Should accidental skin contact occur, remove contaminated clothing and wash with warm soapy water. Do not scrub.

If inhaled remove person to fresh air. Get medical advice if breathing becomes difficult. In case of contact with eyes, rinse immediately with plenty of clean water for at least 15 minutes and seek medical advice. If swallowed, give a glass of water to dilute and seek medical attention immediately - do not induce vomiting.

For further information, refer to the appropriate Product Material Safety Data Sheet.

Fire

Conbextra PM does not readily support flame.

Disposal

Dispose according to local authority regulations. Do not dispose down drains or into local waterways.

For further information on any of the above, please consult your local Fosroc office - as below.

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Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Services, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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UAE/0708/10/A