

Single component thixotropic cementitious pumping and pointing mortar

Uses

For structural grouting of gaps in precast units and high strength pointing.

Advantages

- Fast installation rate
- Pump application
- Pre-blended to overcome site-batching variations
- Easy to use no priming required
- Rapid strength gain
- Shrinkage compensated

Description

Conbextra PM is a single pack cement based thixotropic pumpable mortar, blended from cements, fine aggregates and admixtures with a maximum grain size less than 1 mm. It requires only the addition of clean water to produce an easily pumped mortar.

Application Instructions

Surface preparation

To obtain maximum adhesion remove by grit blast or grinding, 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 a single bag the product can be mixed in a drum using a Renderoc Mixing Paddle 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. 3.1 - 3.3 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 powder.

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 25 mm 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 the use of hand trowels or a standard pointing tool. Ensure all material is removed from the substrate face whilst still wet.

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°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.

Properties and product details

Compressive Strength @ 20° (EN 12190 : 1999) at a water powder ratio 0.16	1 day	36 MPa
	7 days	54 MPa
	28 days	60 MPa
Water content per bag	3.1 – 3.3 litres	
Minimum application thickness	10 mm	
Fresh wet density	2200	
Maximum grain size	0.75 mm	
Fire rating (EN 1504-3 cl. 5.5)	Class A1	
Supply	20 kg bags	
Yield	Approx. 10.5 litres	
Shelf life	12 months	

Clarification of property details: The typical properties given above are obtained from laboratory testing. Results derived from field applied samples may vary.

Storage conditions

Store internally in dry conditions in original unopened bags. If stored at high temperature and/or humidity the shelf life may be reduced to 4 months. Note bags are not waterproof.

Precautions

Health and safety

For further information refer to the appropriate Safety Data Sheet also available at www.fosroc.com.

Fire

Conbextra PM is non-flammable

Fosroc® Conbextra PM



Important note

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