

CDM 370 - Corrobloc Fill

General purpose pre bagged, non-shrink block filling grout

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Product Features

Corrobloc Fill is a pre mixed & bagged blend of cements, aggregates & special polymers, to give a non-shrink, free flowing, cementitious grout, providing a smooth pouring or trowellable grade consistency that completely fills the block cavities easily by pouring.

Corrobloc Fill is non metallic, free from chlorides and shrinkage compensated to ensure the transfer of loads through to foundations whilst developing excellent compressive strength.

Typical Uses

Corrobloc Fill can be used for anchoring concrete blocks. It can be filled in block cavities. **Corrobloc Fill** is typically used for grouting general purpose applications such as column bases, tie bolt holes and joints between pre-cast elements.

Technical Data		
Properties	Test Standards	Typical Values
Appearance		: grey powder
Particle size		: 0.1 - 2 mm
Bulk Density		: 2 kg/L
Flexural Strength, @ 28 days	BS EN 196-1 : 2005	: > 3 MPa
Compressive Strength, @ 28 days	BS EN 196-1 : 2005	: >20 MPa
Standards	ASTM C150, C 476, C404, C348, C349, BS 4551	

Note: All values given are subject to 5 - 10% tolerance.

Directions for Use

Preparation

Concrete

The concrete blocks should be cleaned using a brush to remove any dust or loose particles. Suction of blocks should be neutralized by applying clean potable water. Free water on the surface should be allowed to disperse before applying **Corrobloc Fill**.

Mixing

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product.

Accurately measure drinking quality water and place in a suitable empty container with sufficient volume to accommodate the mixed material with the following guidelines:

For a trowellable grout consistency use 3 – 4 litres of water
For a pourable grout consistency use 4 – 5 litres of water

Slowly add the powder to the water and mix continuously for 4 - 5 minutes using a slow speed drill and paddle or forced action mixer, until a homogenous consistency is achieved.

No additional water should be used as this will change the performance of the mixed material.

Application

Pour the mixed **Corrobloc Fill** to fill the block cavities with reinforcement. Maintain approx. 10 cm head during pouring of grout to avoid air entrapment.

Curing

The set mortar has to be cured by applying clean potable water for at least 3 days with 3 - 4 times in a day.

Hot Weather Conditions

For application above 40°C we recommend adopting the following guidelines:

Store unmixed materials in a cool preferably air conditioned environment.

Avoid exposure of mixed & unmixed materials to direct sunlight.

Use iced water for mixing.

Keep equipment that will be in contact with the product cool and away from direct sunlight.

Avoid application during the hottest time of day.

Cleaning

Clean tools & equipment immediately after use with detergent and water.

Limitations

Substrate temperatures should be above 5°C and rising.

For application in temperatures above 40°C please refer to hot weather condition recommendations.

Avoid application if the work area may be subject to the onset of rain or moving water.

Do not part mix under any circumstances.

Additional coating protection should be applied if the product is exposed to chemicals.

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All products should be used within the pot life. Materials not used within the specified time should be discarded.

If the above general application details do not meet with your requirements, please contact Corrotech for a project specific method statement.

Estimating

Corroblock Fill pack size: 25 kg bag.

All coverage rates given are theoretical and subject to actual site conditions. We recommend trial areas are done to establish practical consumption particularly for primers.

Health & safety

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes.

Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately. No not induce vomiting.

Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces.

Do not expose products to fire or naked flames under any circumstances.

Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

Storage

Corroblock Fill has a maximum shelf life of 12 months from the date of manufacture.

To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10°C but not exceeding 35°C.

Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.