

CDM 380 - Corromortar BM

Pre-mixed cementitious bedding mortar

Reference No.	TDS /300/CMBM
Issue Date:	November 2015
Revision No.	1

Product Features

Corromortar BM is a pre-mixed and bagged blend of cements, aggregates and special polymers to give a high quality, cementitious bedding mortar with excellent workability and finishing characteristics.

Corromortar BM is easy to use, requiring only the addition of clean water to give a consistent mix with an application thickness of 20 - 80 mm.

Typical Uses

Corromortar BM is used to provide base on top of the structural concrete that can be finished to accurate levels, prior to the application of other finishes such as ceramic or marble tiles, parquet, etc. It is suitable for both internal and external finishes.

Technical Data		
Appearance		: grey
Water / powder ratio		: 0.12 - 0.14 (5 - 5.5 litres of water per 40 kg)
Stiffening Time		
Initial		: approximately 3 - 4 hr
Final		: approximately 4 - 5 hr
Consistency		: homogeneous cementitious mix
Binder		: ordinary portland cement
Filler material		: graded silica sand
Recommended thickness		: 20 - 80 mm per layer
Wet density		: approximately 2000 - 2100 kg/m ³
Coverage		: 1 m ² @20 mm thick per bag
Maximum aggregate size		: 5 mm
Compressive Strength @ 28 days	BS EN 196	: > 10 N/mm ²

Directions for Use

Preparation

Concrete

Long term durability and function can only be achieved with good preparation to give a strong adhesive & mechanical bond to the substrate.

Prepare concrete surfaces preferably by mechanical methods to remove laitance, curing compounds and other loose materials to provide a mechanical key for **Corromortar BM**.

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 5 - 5.5 litres of drinking quality water and place in a suitable empty container with sufficient volume to accommodate the mixed material.

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 **Corromortar BM** onto the prepared surface. Spread out and tamp or compact using a plastic or wood float to provide a dense topping to a thickness of 20 - 80 mm.

Finish with a plastic float, wood float or steel trowel depending on the surface texture required.

If required, subsequent layers can be applied to the first layer after 24 hours. The first layer should be scratch keyed and re-primed to assist with bonding.

Expansion joints must be reflected through the **Corromortar BM** and preferably sealed with a sealant from the **Corroseal** range.

Curing

Curing is essential for all cementitious products to prevent possible shrinkage cracks and ensure the performance characteristics of the concrete and product are achieved. We recommend curing for at least 2 - 3 days twice 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.

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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 recommendation.

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

Do not part mix under any circumstances.

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

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.

Corromortar BM pack size: 40 kg. Coverage rate approximately 1 m² @ 20 mm thickness per bag

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. Do 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

Corromortar BM 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.