



Terraroc™ MBR

Medium build repair mortar



The House of Scandinavian Finishing Materials

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Terraroc Terraroc™ MBR is a specially formulated repair mortar for permanent repair of all types of concrete and forms part of the Terraroc Concrete Repair range of products.

It is designed for application in layers of up to 50mm on vertical surfaces and 30mm in overhead applications. It is usually applied by trowel to ensure that it is well compacted. However, Terraroc MBR is sprayable enabling fast repairs.

Areas of use

Terraroc MBR, being an easy to apply, shrinkage compensated medium repair mortar, is used to repair damaged vertical and overhead concrete / cementitious surfaces.

Surface Preparation

Do not apply at temperatures below 5°C. Remove all defective concrete back to the reinforcements, treat reinforcements with appropriate zinc rich primer. Avoid feather edging as the repair area should be a minimum depth of 10mm. Thoroughly wet the surface with water and apply a coat of Terrabond A by scrubbing it well into the surface. Allow it to become tacky before applying the Terraroc MBR.

Mixing

Ensure that the mixing water is constant for each bag of compound (4.5 ltr water : 25kg Terraroc MBR). A mechanical mixer is necessary to ensure consistency of the final mix. Add the powder to the water and mix continuously for 3 to 5 minutes.

Application

Apply to the prepared substrate by trowel ensuring that it is well compacted onto the primed surface / reinforcements. Build up in layers until the desired thickness is achieved.

Where very thick sections are required allow the initial layer of Terraroc MBR to set, scratch the surface to provide a mechanical key and prime with Terrabond A before applying the final layer of Terraroc MBR. Finish using a steel float. Terraroc MBR should not be applied in layers less than 10mm thickness.

However, for fast repairs the Terraroc MBR can be spray applied and finished using a steel trowel if a smooth surface is required.

Tools and equipment must be cleaned with water after use.

Curing

Terraroc MBR should be cured immediately after troweling is finished by applying Terrabond A to the surface. In harsh conditions the supplementary use of hessian or polythene must be used to ensure proper curing.

Technical Information

Colour:	Grey
Compressive Strength:	18 N/mm ² (7 days), 25 N/mm ² (28 days)
Flexural Strength:	5 N/mm ² (28 days)
Tensile Strength :	2 N/mm ² (28 days)
Set Time :	2 hours (initial), 4 hours 30 min (final)
Wet Density:	2000 kg/m ³
Water Demand:	18% (4.5ltr water : 25kg bag)
Application Thickness:	10-50mm (vertical) and 10-30mm (overhead)
Consumption Rate:	1.9kg/m ² /mm thickness
Yield:	25kg of powder + 4.5ltr of water gives a 14ltr mix
Packaging:	25kg paper bags
Storage:	12 months in original unopened container

Other products in this range: • **Terraroc HBR** (High build repair mortar) • **Terraroc MC** (High performance micro - concrete) • **Terraroc FC** (Finish coat render) • **Terraroc NS 100** (Non - shrink cementitious grout)

For more information please refer to the Terraroc Technical Data Sheet or contact your nearest Terraroc representative.

