

MCC 500 LIGHT WEIGHT TILE ADHESIVE

Cement Based Tile Adhesive

Purpose

MCC 500 light weight Adhesive is a general purpose, cement based Tile Adhesive. Designed for fixing of ceramic and cement tiles to all cement based surfaces as well as other pre-primed surfaces.

Mixing Instructions

- 1) Empty contents into a suitable container and slowly add 5 liters of cold water.
- 2) Mix to a creamy consistency.
- 3) DO NOT ADD MORE WATER.
- 4) Use within 4 hours.

Surface Preparation (In accordance with the SABS 0107 Code of practice for the design and installation of ceramic tiles)

- 1) Ensure that surfaces to be tiled are clean and free of dust, release agent, fungi, or any surface dampness. Fungi must be removed and the spores killed with the use of an effective fungicide. (A dilution of ordinary household bleach is suitable)
- 2) New walls and floors must be allowed to cure for minimum periods as tabled below to ensure that movement due to shrinkage does not affect the tiling.
 - a) New plaster at least 2 weeks.
 - b) New screeds and concrete at least 4 weeks.
- 3) For tiling onto very smooth surfaces such as steel trowel led, and off-shutter concrete: the surface must be acid washed to remove the laitance, and then rinsed thoroughly with cold water. The surface must then be primed with Multi Tile Base coat (mix 5kg's MCC base coat with 2½ L TR MCC Bond 555.)
- 4) Painted surfaces, gypsum plasters and surfaces that have old bitumen adhesive on them, must be chipped in order to expose at least 80% of the substrate. The surface must then be primed with Multi Tile Base coat (mix 5kg's MCC base coat with 2½ LTR MCC Bond 555.)

Grouting

- * Allow at least 24 hours before grouting can commence.
- * Ensure that all adhesive is removed from the joints.
- * Grout with tile grout.

Technical Data

Non-hazardous:	Non-flammable, freeze and thaw resistant
Initial setting time:	± 6 hours at 25° C and 50% humidity
Final setting time :	± 24 hours at 25° C and 50% humidity
Correction time:	± 25 minutes at 25° C and 50% humidity
Open time:	± 15 minutes at 25° C and 50% humidity
Pot life :	± 4 hours at 25° C and 50% humidity
Temperature:	Resistant up to 100° C
Storage:	Store dry
Shelf life:	9 months in dry moderate conditions
Coverage:	± 3.5m² using a 10mm notched trowel ± 5m² using a 6mm notched

Advantages

- * 100% Active
- * Excellent workability
- * Lightweight

Application

Floor Tiling

Use a 10mm Notched trowel (Notches 10mm x 10mm at 6 mm intervals) spread only enough adhesive so that the area can be tiled within 10 minutes. The above notched trowel will spread enough adhesive to apply the recommended minimum adhesive bed for floor tiling which is 5mm. As a guideline 1 x bag will cover approximately 3.5 square meters.

Wall Tiling

Using a 6mm Notched trowel (Notches 6mm x 6mm at 6mm intervals) spread only enough adhesive so that the area can be tiled within 10 minutes. The above notched trowel will spread minimum adhesive bed for wall tiling which is 3mm. As a guideline 1 x bag will cover approximately 5 square meters.

General application information

- * DO NOT BUTT JOINT TILES.
- * Minimum grouting joint width for wall tiling 2mm and to floors 3mm unless otherwise specified by the tile manufacturer.
- * Bed tiles into wet adhesive with a twisting action in order to ensure adequate contact with the back of the tile. The use of a rubber mallet will be required when bedding heavy tiles.
- * Remove all adhesive from the grouting joints as the application progresses.
- * Tiles with very uneven backs will require buttering with adhesive prior to bedding into wet adhesive.
- * For permanently wet conditions or where heavy duty strength is required, replace water in the mix with MCC 555 Bonding Liquid.
- * It is very important to allow for differential movement in all tiling applications so the inclusion of Tile Panel Movement joints, Structural Movement joints and Perimeter joints is essential.