

MC-M 800 (Formerly known as C800)

Highly Polymer modified adhesive...

Description

MC-M 800 is a dry pre mix, waterproof, cement based thin bed adhesive for the fixing granite, vitrified tiles, glass mosaic, glass bricks, ceramic wall and floor tiles. It is suitable for internal and external use and complies to ANSI A 118.4:2005 and BSEN12004:2007.

Standards

BS:5980, Type 1, Class A.A & BS 4551, ANSI A 118.1, ANSI A 118.4:2005, BSEN 12004:2007 and DIN18156-2 ISO 13007

Application

Application Method

Background: MC-M 800 is a thin bed cement based mortar suitable for fixing granite, vitrified tiles, glass mosaic, glass blocks and ceramic wall and floor tiles onto backgrounds such as; Portland cement based renders, floor screeds, concrete and gypsum boards. MC-M 800 should not be applied onto wood, metal sheets or painted surfaces.

The background and tile must be clean, free of dust deposits, sinter skin, form work oil and other contaminations which may affect the adhesion. The suction in the background should be thoroughly neutralized by applying clean potable water. Free water on the surface should be allowed to disperse before applying MC-M 800.

Pre-treatment of the tile i.e. wetting is essential, however, due to the wide variety of tiles available, it is advisable to consult the tile manufacturer for recommendations.

Mixing

MC-M 800 supplied in 25 kg bags must be mixed with potable water only, in a clean plastic bucket or a clean, non-corrosive, uncontaminated metal tub. To ensure a homogeneous and uniform mix, an electric agitator or paddle mixer must be used. The amount of water to be added is 7 ltrs per 25 kg bag (i.e. approximately 28% by weight). Add MC-M 800 to water, turn the contents of the bag carefully and stir frequently. Once mixed allow to stand for 5 minutes and mix again before applying. No further water should be added to the mix. The mixed mortar must be used within 30 minutes. Hard and set mortar should not be remixed. No further water should be added to the mix.

Application

MC-M 800 is rendered in one coat, having a thickness of 3-5 mm. To achieve an uniform thickness, the mortar is leveled with a serrated trowel. The thickness of the ribs will depend on the size & type of tile. Do not spread more than 1 m² at a time, spreading larger areas may result in the mortar drying out before tiles can be pressed home, resulting in poor adhesion. Once the mortar has been applied, the working time will vary according to the porosity of the surface & ambient conditions. While tiling in wet areas, i.e. swimming pools, shower rooms etc; ensure a solid bedding, no voids or air pockets behind the tiles. Do not apply the mortar sparingly, buttering the mortar onto the back of the tile is not recommended but if essential it should be spread over the entire back of the tile to an even depth. MC Technical Service Department will assist in these procedures upon request.

Special Notes

Tiling in newly constructed buildings should not commence until all shrinkage movement and creeping has taken place. Cement based mortars, plasters, renders and floor screeds must be allowed to harden for a minimum period of 14 days before tiling commences. Ceramic tiles should never be fixed with tight joints. Leave a minimum space of 2 mm around every tile. Grouting should not be carried out for at least 48 hours after completion of the tiling. During this period proper water curing must be carried out for hydration of cement.

Storage

MC-M 800 must be stored in a dry place, off the ground & well covered. Hard or lumpy material must be rejected.

Mixing Ratio	7 ltrs of water per 25 kg bag Water/Powder ratio = 0.28
Approx. Yield *	18 ltrs per 25 kg bag
Approx. Coverage *	7.0 m ² per bag at 3 mm thickness
Curing	Minimum 48 hours by potable water
<i>* Typical results under laboratory condition</i>	

Technical Data

Composition	White Portland cement, oven dried, processed sand and chemical additives including vinyl acetate/ethylene copolymer redispersible powder
Binder	White Portland Cement
Aggregate Size	0-0.5 mm processed sand
Appearance	Granular powder, offwhite
Density *	Wet: 1.75 kg/ltr Dry: 1.65 kg/ltr
Compressive Strength *	20 N/mm ² @ 28 days
Flexural Strength *	3.5 N/mm ² @ 28 days
Bond Strength *	> 0.5 N/mm ² (DIN18156-2)
Working Time	20 minutes

** Typical results under laboratory condition*

General Information

Package Size	25 kg paper bags
Shelf Life	12 months from date of production when stored under dry conditions

NOTE:

It is the customer's responsibility to satisfy themselves by checking with the company whether information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current data sheets. However, MC-Bauchemie does not warrant or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendations relating to application and end use are given in good faith. The products are guaranteed against any manufacturing defects and are sold subject to MC- Bauchemie's standard terms and conditions of sale.