



# CONMIX LTD.

## WATER RESISTANT TILE ADHESIVE – C800 (M)

**C800 (M)** is a dry pre mix, water resistant, cement based thin bed adhesive for the fixing granite, vitrified tiles, glass mosaic, glass bricks, and ceramic wall and floor tiles. It is suitable for internal and external use and complies to ANSI A 118.4:2005 and BS EN 12004:2017. C800 (M) has a long open time with excellent adhesion and workability. It consists of White Portland cement, oven dried, processed sand and chemical additives including vinyl acetate/ethylene copolymer redispersible powder.

### TECHNICAL DATA

Binder	White Portland cement
Aggregate Size	0-0.5 mm processed sand
Appearance	Off - white granular powder
Mixing Ratio	7.0 liters water per 25 kg bag. Water powder ratio - 0.28
Ideal Mortar Temperature	< 32°C
Approx. Yield *	18 liters per 25 kgs bag
Density *	Wet – 1.75 kg/ltr. Dry - 1.70 kg/ltr.
Compressive Strength *	20.0 N/mm <sup>2</sup> @ 28 days
Flexural Strength *	3.5 N/mm <sup>2</sup> @ 28 days
Bond Strength *	1.0 N/mm <sup>2</sup> @ 28 days
Workability*	Approx. 30 minutes
Pack Size	25 kg
Curing	Minimum 48 hours by potable water
Specification	BS 5980 Type 1, Class AA, ANSI A 118.1, ANSI A 118.4, BSEN 12004:2017, ISO 13007 C2TE
Remarks	C800 (M) stored in dry place, off the ground and well covered. Hand or lumpy material must be rejected. * Typical results are under standard laboratory conditions.
Quality Management System	Conmix Limited has been certified by VINCOTTE to the quality management system ISO 9001:2015.

\* Typical results under laboratory condition

### APPLICATION METHOD

#### BACKGROUND

Conmix Tile Adhesive C800 (M) 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. C800 (M) should not be applied onto wood,



#### APPLICATION TOOLS





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 C800 (M). 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

C800 (M) 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 liters per 25 kg bag (i.e. approximately 28% by weight). Add C800 (M) 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

Conmix C800 (M) is rendered in one coat, having a thickness of 3-6 mm. To achieve a uniform thickness, the mortar is leveled with a serrated trowel. The thickness of the ribs will depend on the size and type of tile. Do not spread more than 1 m<sup>2</sup> 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 and ambient conditions. While tiling in wet areas, i.e. swimming pools, shower rooms etc; ensure 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.

Conmix 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.

Conmix C800 (M) must be stored in a dry place, off the ground and well covered. Hard and lumpy material must be rejected.

### STORAGE

C800 (M) must be stored in a dry place, off the ground and well covered. Hard or lumpy material must be rejected.

### CONMIX LTD.

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