



CONMIX LTD.

WATERPROOF TILE MORTAR - C800

Highly Polymer modified adhesive...

C800 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 ANSIA118.4:2005 and BSEN12004:2007.

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
Mixing Ratio	:	7 ltrs of water per 25 kg Water/Powder ratio = 0.28
Approx. Yield/Coverage *	:	18 ltrs per 25 kg bag; 6 m ² per per bag at 3mm thickness
Density *	:	Wet: 1.75 kg/ltr Dry: 1.7 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)
Packaging	:	25 Kg paper bags
Shelf-Life	:	12 months from date of production when stored under dry conditions
Working time	:	30 minutes
Curing	:	Minimum 48 hours by potable water
Specification	:	BS:5980, type 1, Class A.A & 4551 ANSIA118.1, DIN18156

* Typical results under laboratory conditions.

APPLICATION METHOD

Background

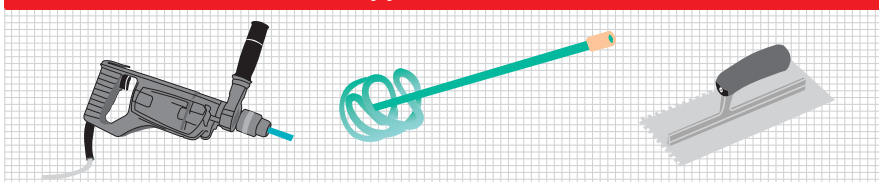
Conmix C800 is a thin bed cement based mortar suitable for fixing granite, vitrified tiles, glass mosaic, glass blocks and ceramic wall and floor tiles onto backgrounds such as; Portland cement based renders, floor screeds, concrete and gypsum boards. C800 should not be applied onto wood, metal sheets 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 C800.

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.

Application tools





MIXING

C800 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 C800 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 45 minutes. Hard and set mortar should not be remixed. No further water should be added to the mix.

APPLICATION

Conmix C800 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 and 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 and 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.

Conmix demonstration team 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

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