

Multipurpose tile adhesive for exterior,

Uses: TILE ADHESIVE EX. Tile adhesive is a high quality adhesive used for the permanent fixing of tiles over smooth surfaces such as existing tiles, ceramic tiles or glass, subjected to damp and tropical conditions and for specialized applications such as tile on tile and tile-on-glass etc.

Advantages:

1. Polymer modified pre-wetting of tiles not required and hence less prone to cracking of mortar
2. Single component - ease of application
3. Non toxic - User friendly application
4. Excellent adhesion on smooth surfaces – Develops high adhesive bond strength
5. Non shrink - excellent bond with the substrate
6. Excellent work and open wet time of 2 hrs at 300C - allows the mason to fix tiles at ease even under hot conditions
7. Self cure - does not require external curing
8. Forms a dense and impermeable mortar bed water proof

Description: TILE ADHESIVE EX. is a single component, polymer modified cement based grey coloured powder.

Properties:

1. Density of the mixed material: 1.95g/cc
2. Pot life: Approx. 2 hrs
3. Setting Time: Initial - 13 hrs
Final - 2 days
4. Pull out bond strength on tile at 28 days: > 1 N/mm²
5. Compressive strength (N/mm²):

3 Days	7 Days	28 Days
10.4	16	21.6

Application instructions

Surface preparation: All surfaces must be sound and thoroughly clean before TILE ADHESIVE EX. is applied. All traces of grease or oil must be removed with suitable degreaser. All loose particles of mortar, old wallpaper, paint etc., must be physically removed. In case of cementitious surfaces, the areas of application must be thoroughly wetted with water to obtain saturated surface dry condition. In case of smooth surfaces, pre-wetting of substrate with water is not essential.

Mixing: TILE ADHESIVE EX. should be mixed with water in the ratio of 3: 1 by volume or 4:1 by weight. While mixing, add powder to the water to avoid lump formation. A slow speed drill fitted with a suitable mixing paddle is recommended for mixing. Hand Mixing may also be resorted to if small quantities are mixed. (Note: Use of chilled water in extreme temperatures will increase open time of TILE ADHESIVE EX.).

Application: TILE ADHESIVE EX. is spread on the substrate to a uniform thickness of 2 - 3mm. This is then combed horizontally with a notched trowel. The tiles are then placed firmly into the adhesive bed ensuring good contact with the mortar by a twisting motion.

Finishing: The excess material shall be removed with a damp cloth before it sets. Joint grouting with CHEMBRIDGE Grout may be commenced 24 hours after tiles have been fixed.

Estimating Packaging: TILE ADHESIVE EX. is supplied in 40 kg bags.

Coverage: Approximately 3.8 kg of TILE ADHESIVE EX. is required per sq.m when uniformly applied at 2mm thickness. Material consumption will increase if the substrate is not even.

Storage & Shelf life: 6 months in unopened bags under normal warehouse conditions. TILE ADHESIVE EX. must be stored in a cool dry place.

