



KINGDOM TILE ADHESIVE C1T



DESCRIPTION

KINGDOM TILE ADHESIVE C1T cement-based thin or thick bed adhesive. Suitable for fixing Ceramic Wall & Floor Tiles to floor and wall, dry or wet, and interior area. For fixing Vitrified Homogeneous Tiles, Porcelain, Marble, Granites, Terrazzo, Decorative Stones etc.

TECHNICAL DATA

Colour	Grey
Specific Gravity	1.60 g/cm
pH of Mix	10-11
Dry Solid Content	100%
Shelf Life	12 month
Inflammability	No
Toxicity Hazard	No
Bed Thickness	3-6 mm
Mix Ratio	1 part water: 4 part of Tile Adhesive C1T
Pot Life (Working Time)	3-4 hours at 25°C
Application Temperature	Above 5°C - 50°C
Open Time	Approx 15-20 minutes at 25°C
Adjustability Time	Approx 10 minutes at 25°C
Setting Time	24 hours
Temperature resistance	100°C
Frost resistance	-5°C
Resistance to acids	Fair
Resistance to alkalis	Fair
Resistance to oil & solvents	Fair
Damp Resistance	Fair
Flexibility	Fair
Tensile adhesion strength (28 days)	0.85 - 0.99 N/mm ²
Shear Adhesion Strength	20 kN
Flexural Strength	5 - 6 N/mm ²
Compressive Strength (28 days)	10 - 11 N/mm ²

PRODUCT DATA SHEET

GENERAL PERFORMANCE

The set adhesive is water resistant, is a thin or thick bed adhesive used normally at 3-6 mm bed thickness, but up to 12 mm for small isolated, uneven areas of limited extent. Requires mixing with water only unless special conditions where latex admixture must be used.

Not recommended for use on skim coat plaster, paint and metal.

APPLICATION INSTRUCTION

- Concrete - Must be aged for 6 weeks. Direct fixing onto concrete may be taken provided the surface is flat or true, well cured and free of contamination. Surface primer is required for direct fixing.
- Brick Wall - Must be aged for 4 weeks and leveled with cement sand mortar (Render) prior to fixing tiles.
- Lightweight concrete block - Must be aged for 4 weeks and leveled with cement sand mortar (Render) prior to fixing tiles.
- Cement sand Render & Screed - Allow new cement-sand render or screed to cure for 2-3 weeks, before fixing tiles. The rendering or screeding mortar mix should ideally be 1 part cement ; 3-4 part of sand by volume.
- Building Boards - Building board such as plywood, cement fibre board, chipboard etc. must be used adequately braced to provide a sound / rigid substrate.

INSTALLATION PROCEDURE

- Substrate must be dry, sound, flat/true & free of contaminants.
- Ceramix Tiles are to be fix dry. Do not soak in water.
- Mix Kingdom Tile Adhesive C1T with water (or latex admixture). Mechanical mixing recommended.
- The mixing ratio is 6 - 6.5 ltrs water or Latex Admixture to 25kg Kingdom Tile Adhesive C1T.
- Spread adhesive to the substrate at bed thickness of 3-6 mm with suitable notched trowel.
- Promptly fix tiles onto adhesive bed, followed by slight twisting action to ensure good contact ie, Solid Bed Fixing.
- Allocate joint of approx. 2-3 mm wide between tiles.
- Remove surplus adhesive from tile surface and joints before it hardens.
- Allow to set for 24 hours; before grouting commences.

COVERAGE

At 3mm bed Thickness is approx 3 kg/m².
At 6mm bed Thickness is approx 6 kg/m².