

UNICHEM TILESET 600

POLYMER MODIFIED CEMENTITIOUS TILE ADHESIVE

UCA-PP-01-0722

DESCRIPTION

UNICHEM TILESET 600 is supplied as a ready to use white/grey powder requiring only the addition of water on site to produce a cohesive, sticky highly adhesive thin bed tile adhesive.

UNICHEM TILESET 600 is a blend of cement, selected fine sands, water reducing chemicals, special polymers & water retention agents to enhance workability and ease of application. Available in White and Grey.

USES

- ❖ Fixing ceramic tiles on walls and floors.
- ❖ Bonding quarry tiles direct on concrete or sand cement renderings and clean non-glazed old terrazzo tiles.
- ❖ Fixing tiles over timber and existing vinyl tiles, if the surfaces are properly cleaned and primed with a brush coat of UNIFIX SBR .

ADVANTAGES

- Factory quality controlled pre-packed material.
- Excellent adhesion in the wet stage during application and in the fully cured state.
- Low thickness of application affords a better
- Mixed material is easily trowel applied and stickiness in the wet stage affords easy fixation of tiles.

TYPICAL PROPERTIES

APPEARANCE	Grey or White cementitious powder
OPEN TIME	15 TO 20 MINUTES @ 25 °C.
POT LIFE	90 MINUTES @ 25°C
ADJUSTABILITY TIME	15 TO 20 MINUTES @25°C
DIRECT PULL OFF ADHESION TEST	≥1 N/mm ² (@ 28 DAYS)
PACKAGING	25 Kg
COVERAGE*	5.5 to 7.5 m ² at 2-3 mm thickness solid bedding *Actual coverage based on substrate condition, application method, wastage etc.
MIX RATIO (for 25 kg bag)	FOR FLOOR APPLICATION : 5 to 6.25 ltr FOR WALL APPLICATION : 5 to 5.5 ltr
WET DENSITY	~1.9 kg/L @ (23 °C)

The values given above for typical properties are average figures achieved in controlled laboratory conditions. Actual values obtained on site may show minor variations from those quoted.

STANDARDS

UNICHEM TILESET 600 meets the performance requirements of BS EN 12004 (CLASS 1) & BS EN 1348.

INSTRUCTIONS FOR USE

SURFACE PREPARATION

Ensure the substrate on which tiles are to be fixed is pretreated, sound and free from any contamination. Tiles must be fixed dry and not soaked with water. Allow new concrete and brickwork to cure at least 4 weeks and new cement/sand screed or render at cure for least 2 weeks before fixing tiles. Timber floors must normally be strengthened with a 12mm plywood overlay, screwed at 300mm centers. (contd in next page)

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The floor must be adequately ventilated underneath and must be rigid and stable to receive tiles. Any existing patching must be sound and any defective areas made good before laying new tiles. Existing vinyl tiles must be securely bonded to their base and free of polish, grease, etc.

MIXING

For floor application UNICHEM TILESET 600 must be mixed with clean water from 5 - 6.25 liters per 25 kg bag (20 to 25% of powder mortar by weight).

For wall applications we recommend using 5 to 5.5 liters of water per 25 kg bag (20 -22 % water by weight)

After mixing, wait for 5 minutes. Remix and then proceed with application This method provides the polymers and other chemicals present in UNICHEM TILESET 600 to take the desired effect.

APPLICATION

Spread only sufficient UNICHEM TILESET 600 over small areas of 1 sq. metre. Approximately that area which can be covered immediately with tiles in 15 minutes at 25°C. Tiles can be adjusted for 5 to 10 minutes after initial positioning. Comb the mortar with a solid bed semi notched trowel or a notched trowel and press the tiles firmly into position with a slight twisting motion to ensure solid bedding leaving no voids behind the tiles. It is recommended that the tile adhesive be buttered on the backs of the tile to ensure full contact with the substrates.

Under normal conditions, the tiles installed with UNICHEM TILESET 600 can be subjected to foot traffic 24 hours after fixing. Leave the joints about 3mm wide around floor tiles and 2mm wide around wall tiles.

Clean and rake out any tile mortar trapped in between the tiles and insert plastic spacers.

Grouting may be carried as soon as the tile bed is sufficiently firm normally after 24 to 48 hours. Use UNICHEM TILEJOINT for this purpose. Do not use any neat cement/water slurry for grouting the tile joints.

STORAGE & SHELF LIFE

Original sealed bags of UNICHEM TILESET 600 has a shelf life of 12 months. UNICHEM TILESET 600 should be protected from extremes of temperature & Protect from sources of moisture and humidity.

SAFETY PRECAUTIONS

Do not use any curing compounds. It is a cementitious alkaline product. Care should be taken to avoid contact with eyes, skin, mouth and food stuff. Any splashes on the human body must be washed with plenty of water.

LIMITATION OF LIABILITY

This information is based on our current level of knowledge. It is given in a good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.

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