

MONNELI MAXICOL

Polymer Modified Floor Tile Adhesive Up To 15 mm Thick Mortar

Product Description

A polymer modified single component tile adhesive. It is water resistant and does not contain fiber, asbestos & other harmful components.

MAXICOL hardens without significant shrinkage and without reduction in thickness. It becomes very resistant as adheres perfectly to all conventional building materials.

Uses

MAXICOL is used for fixing of ceramic tiles in interior and exterior bonding of tiles. It is suitable for use for the following;

- Tiles with deep recessed backs on substrates
- Double fired and single fired tiles in interiors
- Natural stones
- Ceramic tiles with large thickness variation
- Ceramic tiles on irregular substrates for thickness up to 15mm
- Large-format size tiles on substrates

Advantages

- Enhanced bond and tensile strengths
- Water resistant (suitable for submerged conditions)
- Eco-friendly
- Safe, economical and easy to use
- Formulated to suit Middle East conditions

Instructions for Use

Surface Preparation

All surfaces should be sound, clean & uncontaminated. This preparation should leave an exposed concrete surface free from dust, loose particles, deleterious matter, oil, grease, chemical films & other contaminant.

Cementitious substrates must be not subject to shrinkage once the tile is been installed. Allow substrates to cure for a minimum of 21 days. The surface of substrates must be moistened slightly with clean water to reduce the absorption of water from the mortar. Do not moisten the tiles.

Mixing

MAXICOL should be mixed with clean water (about 5 to 5.25 Liters per bag of 25 Kg). Mix it carefully with a mechanic mixer at low number of turns (200 - 300 turns per minute) till a uniform lump free consistency is achieved. Remix briefly before application..

Application

Apply MAXICOL with a toothed spatula, spreading the first pass with its straight edge and then a second pass immediately after, to the desired thickness using the toothed part.

Place the tiles onto the adhesive bed. Apply sufficient pressure on the tile during fixing with slight twisting movement in order to ensure good contact with the mortar.

In case of large size tiles, it is necessary to spread the adhesive also to the backside of the tile and then place the tiles into the adhesive bed.

Apply enough material that can be tiled during the adhesive's open wet time. Spreading large areas may result in drying the adhesive before tiles can be fixed causing poor adhesion.

Finishing

Remove excess adhesive with damp cloth before the material has set. Joint grouting between tiles may be commenced 24 hours after tiles are laid on the floors.

Cleaning

Tools and equipment should be cleaned with water immediately after use. Hardened materials should be mechanically removed.

Recommendations

- For improved adhesion strength, it is recommended to replace water with ELASTOKOL
- Stiffened mortar must neither be diluted with water nor with fresh mortar
- Do not use MAXICOL on metal, wood or non-absorbing surfaces
- Do not apply MAXICOL in rainy weather, high winds and sand storms
- Do not use to stone material subject to efflorescence or staining
- Do not apply under direct sun
- Do not install over existing flooring
- Keep equipment cool and use cold water
- Porosity of tiles and substrates has significant effect on adhesive strength of tiles

Applicable Standards

- EN 12004 – C1
- ISO 13007-C1
- ANSI A 118.4
- EN 1346
- EN 1348

Technical Data

Properties	Results
Appearance	Powder
Color	Grey
Dry density	1.55 kg/L
Wet density	1.70 kg/L
VOC	< 2.0 g/L
Open time	Approx. 30 minutes
Workable time	45 minutes
Floor grouting	After 24-36 hours
Final hardening	14 days
Shear strength	1.5 N/mm ²
Adhesion strength (EN 1348)	
Initial adhesion at 28 days	1.3 N/mm ²
Adhesion after heat ageing	0.7 N/mm ²
Adhesion after water immersion	1.0 N/mm ²
Adhesion after freeze-thaw cycle	0.9 N/mm ²

All values are subject to 5-10 % tolerance

Packaging

MAXICOL is packed in 25 Kg bags

Consumption

Approximately 4 to 4.5 Kg of MAXICOL per m² using toothed spatula on smooth surface. Consumption will vary according to type of tiles and support condition

Storage

Store in dry covered place in the original closed bags and shelf life is 12 months if stored as recommended.

Health & Safety

MAXICOL can be harmful to skin as it contains cement powders which may releases alkalis when mixed with water.

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting

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