

### MONNELI MAXICOL T50

*Thick Bed Tile Adhesive for Interior & Exterior Use*

#### Product Description

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A standard-setting, thick-bed, cement based floor tile adhesive. It composed of cement, coarse sand and special additives formulated in a way to obtain excellent characteristics of workability and adhesion. It does not contain asbestos, or other materials considered harmful for health of the applicator.

#### Uses

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MAXICOL T50 is used for interior, exterior, wet and dry areas for fixing of ceramic tiles, porcelain, natural stones, marble, granite & terrazzo tiles on concrete or cement based floors.

#### Advantages

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- Suitable for wet and dry conditions.
- Manufactured under BSI quality assurance scheme ISO 9001
- Gives enhanced adhesion to low porosity substrates.
- Long working time for difficult layouts

#### Instructions for Use

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##### 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.

All loose particles of mortar, paint, etc. must be physically removed.

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 T50 should be mixed with clean water (about 4 to 4.5 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

Pour MAXICOL T50 product onto the surface and spread to the desired thickness using steel trowel or suitable tool.

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

- Stiffened mortar must neither be diluted with water nor with fresh mortar
- Do not use MAXICOL T50 on metal, wood or non-absorbing surfaces
- Do not apply MAXICOL T50 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
- Keep equipment cool and use cold water
- Porosity of tiles and substrates has significant effect on adhesive strength of tiles

## Technical Data

Properties	Results
Appearance	Powder
Color	Grey
Bed thickness	Up to 50mm
Dry density	1.55 kg/L
Wet density	1.85 kg/L
VOC	<2.0g/L
Water resistance	Excellent
Open time	Approx. 30 minutes
Workable time	45 minutes
Set to light foot traffic	After 24-36 hours
Floor grouting	After 24-36 hours
Final hardening	14 days
Adhesion strength at 28 days (EN 1348)	1.0 N/mm <sup>2</sup>

All values are subject to 5-10 % tolerance

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## Applicable Standards

- EN 12004 – C1

## Consumption

Approximately 19 Kg of MAXICOL T50 per m<sup>2</sup> per 1 cm thickness.

## Packaging

MAXICOL T50 is packed in 25 Kg bags

## Storage

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

## Health & Safety

MAXICOL T50 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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