

Cementitious Tile Adhesive with Polymer Additives for Ceramic Tiles

DESCRIPTION AND USES

- Is an cementitious powder blend of Portland cement, graded sand and organic polymer formulated as a general purpose adhesive for a wide range of applications.
- Compliance to Standard: **TILE ADHESIVE PLUS 105** meet the classification requirements C1 according to EN12004.
- **Usage:**
- Ceramic wall and floor tiles in internal applications.
- **TILE ADHESIVE PLUS 105** may be applied with confidence in institutional or high traffic
- **Product Benefits:**
- Water resistant.
- Easy to use.
- Economical.
- For walls and floors.
- Good adhesive bond strength.

PRODUCT PROPERTIES

Solid bed fixing	3 mm – 6 mm depth. 5.4 kg – 10.8 kg/m
Notched trowel	smooth surface 2 kg/m ² .
Plastic density	2.0

INSTRUCTIONS FOR USE

1. Surface preparation:

- All surfaces must be clean, dimensionally stable, sound and free from all traces of oil, grease, mold release agent and curing compound.
- It should be ensured that tiles are dry, and free of contaminants that could impair adhesion.
- Concrete, screeds, renders, and blockwork should be cured sufficiently that all shrinkage movement has occurred. Cement screed – 28 days.
- Newly applied cement screeds must not have a residual moisture content over 4%, anhydride or gypsum based screeds not more than 0.5% (measure with a CM meter).

2. MIXING:

- Add **TILE ADHESIVE PLUS 105** to cool, clean water at the following rates 25 Kg bag Mixed with 5 liters water (By weight 5 : 1 , By Volume 2.5 : 1).
- Mix to a uniform lump free consistency and allow standing for 5 minutes before use.
- Full bag volume should be mixed in a forced action mixer.
- Part bags should be mixed using a slow speed drill and mixing paddle.

3. Recommended Application System:

- Apply **TILE ADHESIVE PLUS 105** to a uniform thickness of 3 to 6 mm or sufficient to cover the studs or keys on the tile back; on a working area of not more than 1 m².
- Solid bed fixing is recommended for all horizontal applications and for ceramic tiles. If preferred, **TILE ADHESIVE PLUS 105** can additionally be buttered on the backs of the tiles to ensure full adhesive contact.
- For all other vertical applications, the adhesive bed should be combed horizontally with a notched trowel to remove excess.
- Tiles should be dry and fixed by pressing into place with slight twisting motion, ensuring the tile back achieves full contact with the adhesive.
- Remove excess adhesive from the face of the tile with a damp sponge or cloth before it sets. Similarly, joints must be raked out in readiness for grouting.
- Leave for a minimum of 24 hours before grouting. Select the appropriate grout for joint size and in service use from the **Tile Adhesive** range

APPLICATION TOOLS



PACKAGING

25 KG Standard colors– White and Light Grey.

STORAGE AND SHELF LIFE

- Up - to 12 months if stored according to manufacturer's instruction in unopened containers. Store out of direct sunlight, clear of the ground, on pallets protected from rainfall. Avoid excessive compaction.
- In places where high heat and humidity are present, special precautions must be taken.
- Store product in a covered, well ventilated warehouse and avoid excessive heat conditions.
- Storage in high heat, high humidity condition may reduce shelf life by around 30%.
- Follow First in First Out strictly.
- Don't store within one meter of roofing of the warehouse or storage building.

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SAFETY PRECAUTIONS

- Please refer to material safety data sheet (MSDS) before using the product.
- Please revert to technical office for application advice.
- For alternative systems may be specified, depending on area of use.
- Ceramic tiles should never be butt jointed. Leave a minimum of 2 mm around tiles.
- Do not apply over an area greater than that, which can be covered with in the open time of the product.
- Adjustments to tiles should only be made during the adhesives open time.
- Do not apply Smart Care **Tile adhesive plus 105** greater than 8mm thickness on horizontal surfaces and 6mm on vertical surfaces.
- Tiles should not be soaked in water prior to application.

ADDITIONAL INFORMATION

- Alternative system may be specified, depending on area of use. Please refer to technical office for application advice.
- Service Temperature: -30°C to +100°C. Application Temperature: +5°C to +35°C.
- Yield: 25 Kg bag mixed with 5 lts of water yields approximately 15 lts of mixed adhesive.