

## Cementitious Tile Adhesive Modified with Polymer for Marble, Tiles, Glass and Porcelain Mosaic

### DESCRIPTION AND USES

- It is a cement-based tile adhesive for thin or thick bed fixing of ceramic tiles in interior or exterior uses.
- **Product Benefits:**
- Water resistant.
- Easy to use.
- Non - slip.
- Internal and External use.
- Optimal Setting Time.
- Ready for use - just add water.
- Thin or thick bed.
- Extended open / wet time.
- High adhesive bond strength.
- Coverage

### PRODUCT PROPERTIES

Solid bed fixing	3mm - 6mm depth
Notched trowel	5.4 kg - 10.8 kg/m <sup>2</sup>
Plastic density : 2.0 gm/Cm <sup>3</sup>	smooth surface 2kg/m

- Usage
- Ceramic wall and floor tiles in internal applications.
- **TILE ADHESIVE PLUS 205** is suitable for use in kitchens, showers and wet process areas

### 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. Recommended Application System:

- Apply **TILE ADHESIVE PLUS 205** to a uniform thickness of 3 to 6mm or sufficient to cover the studs or keys on the tile back; on a working area of not more than 1m.
- Solid bed fixing is recommended for all horizontal applications and for ceramic tiles. If preferred, **TILE ADHESIVE PLUS 205** 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.

#### 3. MIXING:

- Add **TILE ADHESIVE PLUS 205** to cool, clean water at the following rates 25 Kg bag Mixed with 5.25 liters water.
- 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.

#### 4. Laying Tiles:

- Apply a thin scratch coat to the substrate with the smooth edge of the trowel Comb mortar onto the fresh scratch coat with a notched trowel. Apply the adhesive bed in one direction. If possible, apply only as much mortar as can be covered with tiles during the open time. Ensure open time by touching the mortar suitably.
- Place tiles in the adhesive bed with a twist, slide motion, and adjust to correct position.

### 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 ware house or storage building.

Our recommendations are based on extensive research as well as practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice. Please note that this data sheet supersedes any previous prints. For any additional information, please consult our technical office.

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### SAFETY PRECAUTIONS

- 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 within 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 205 greater than 8 mm 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 5.25 lts of water yields approximately 15.1 lts of mixed adhesive.