Ressi TA 270 is a dry premix ready to use cement based general purpose tile adhesive which can be used for standard tile bonding application for internal and external floor and wall tiling. **Ressi TA 270** is an ideal tile adhesive to be used where the bed thickness required for tile fixing is between 12mm to 25mm. **Ressi TA 270** is an ideal tile adhesive for installing mosaic, ceramic, and other general homogenous tiles. **Ressi TA 270** can easily be applied using the application spectrum as defined by BS EN 5385-1.

ADVANTAGES

- ✔ Crack Resistant
- ✔ Better bonding
- ✔ Salt Free Mix
- ✔ Longer open time
- ✔ Nontoxic Material
- ✔ Excellent workability

SURFACE PREPARATION

All loose particles and oil shall be cleaned off the surface prior to the application. For hot climatic conditions, the surface may be dampened with potable water. Application on most type of cementitious surfaces like block work, concrete and rough plastered surfaces is possible. The surface should be sufficiently aged (At least 7 days for newly erected masonry surface and freshly plastered surface) before the installation of the tiling may begin. It is also recommended that expansion joints should not be tiled over, and suitable treatment should be done over them. Highly absorbent surfaces should be dampened before spreading **Ressi TA 270**. Defective and unsound surfaces should be repaired before the installation of the tiles. It is also important to ensure that there is no dust at the backs of the tile, otherwise it may cause hollow sounds and improper adhesion of the tiles to the substrate.

PRODUCT PREPARATION

It is important that water is premeasured in accordance with the amount of material used. The Mortar powder should be added over the water to avoid the settlement of the material at the bottom of the mixing container. The Mixing container should be uncontaminated, non-corrosive and clean. Only potable water should be used for mixing. It is also recommended that the material should be mechanically mixed with a mortar mixer or other mechanical mixing methods to obtain a consistent lump free mix.

APPLICATION

Buttering of the material onto the back of the tiles is usually not recommended as it this may cause poor adhesion. Spread the material evenly onto the surface using a suitable straight edge trowel and then notch immediately. To ensure good bonding, it is recommended not to spread the material more than 1m² at a time as the mortar may dry up resulting in poor adhesion and causing difficulties in application. After the application and levelling of the mortar, the tiles should be firmly knocked into the position. Adjustment of the tiles should be done at a maximum of 20 minutes after application.

TECHNICAL DATA

Appearance	Grey Powder
Composition	Contains cement and selected aggregates along with additives to improve consistency, workability, and durability.
Maximum aggregate size	3.36mm
*Water application	24% ± 5%
*Pull off strength	0.5 N / mm^2 @ 28 Days (Tested as per BS EN 1348)
*Slip Test	0.1mm (Tested as per BS EN 1308)
*Open time	15 Min (Tested as per BS EN 1346)
*Water Retention	99.4%
*Approximate Yield / Coverage	0.78 m^3 / T

*Typical results under laboratory conditions
These results comply with BS EN 12004 C2 Class 1 F

SHELF LIFE

Expiration of **Ressi TA 270** is at 12 months after production date under dry and sheltered conditions.

PACKAGING

Ressi TA 270 is available in 20 KG Bags.

HEALTH AND SAFETY

Ressi TA 270 is regarded as non-hazardous for transportation. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to the MSDS of the product for further health and safety information.

NOTE

Since the maximum aggregate size of the adhesive is coarse, this material should not be used for any thin bed applications. There are a variety of products in the Ressichem range of Tile adhesives which are suitable for thin bed application.

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