Perma Marble Tile Adhesive is a cementitious material in white powder form, which only needs on-site addition of water to make a paste which is used for fixing marble slabs, marble tiles, to cementitious surfaces vertical as well as horizontal and glass mosaic tiles.

**Primary Uses**
Perma Marble Tile Adhesive (MTA) is especially developed for fixing marble slabs and tiles. Marble is generally loose grained and has a porous structure. Ordinary adhesives and grey cements have a tendency to leach into the marble surface with time and stain the surface. Because of this reason even the best selected marble shows the signs of becoming dull and grey and yellow very soon. Perma Marble Tile Adhesive not only helps in scientific fixing of the marbles, but also helps in maintaining the same lusture of marble for years and years. Perma Marble Tile Adhesive makes the tiled area waterproof.

**Directions for Use**
Ensure that the surface to be tiled is clean and free from dust, dirt, grease etc. Mix MTA with clean water, in the proportion of 3.5 volumes of powder to 1 volume of water. Mix till a uniform consistency, smooth white paste is obtained. Leave the paste for ten minutes in the pan for the entrapped air if any, to escape and remix the paste. Apply the paste uniformly on to the surface to be tiled as well as on the back of the marble and press the marble in position. While using MTA wetting of the marbles or the surface to be tiled or curing is not required. Fill the tile joints with Uniwhite Perma C-Tone Filler after 24 hours of tile laying.

**Advantages**
1. Easy to use.
2. No wetting of surface to be tiled.
3. Makes the tiled area waterproof.
4. Maintains the original lusture of the marbles for years.
5. MTA is specially developed for fixing marbles and glass mosaic tiles.
6. Can be used for fixing tile over tile.

**Properties**
- Bulk Density: 1650 kg/m³
- Pot Life of paste: 45 min at 35°C
- Form: Free flowing powder
- Color: White

**Coverage**
One kg of MTA yields a white paste of 600 cc. If marble tiles are fixed with a uniform bed thickness of 2mm of adhesive then one kg of MTA can fix marbles on an area of 3.22 Sft.

**Packing**
Perma Marble Tile Adhesive is available in 10 Kg and 25 Kg multi-wall laminated sacks.

**Shelf Life**
Perma MTA has a shelf life of 12 months if stored in manufacturer’s original packing in a cool and dry place away from moisture and heat.

**Equipment Care**
All equipment and tools must be cleaned immediately after use with water or Cleaning Solvents as the case may be. Similar procedures should be adopted for break periods exceeding 15 minutes.
QUALITY ASSURANCE
All "PERMA" branded products are manufactured under strict quality control supervision as per exact manufacturing specifications. Should you find the behaviour of the product varying from the claims in the data sheets please stop the use of the product and contact the nearest Perma staff or distributor.

STATEMENT OF RESPONSIBILITY
Perma branded products when used in accordance with the current published directions for use, performs as per its data sheets/catalogues. The manufacturer and the distributor will not be responsible for other materials and conditions of inferior workmanship.

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