

# MAXBOND 505

## CEMENT BASED TILE ADHESIVE

### About The Product

Maxbond 505 Tile Adhesive is a premixed grey powder consisting of high grade cement, graded fine sand and special additives that requires only the addition of water to form a highly workable mortar with good bonding strength to adhere ceramic floor tiles.

### Features

- ✓ Requires only addition of water.
- ✓ Excellent workability.
- ✓ Good adhesion and bonding strength

### Limitations

- ✗ Not recommended for use on vertical, exterior and wet areas.
- ✗ Do not use to bond natural stone, glass mosaic or very large format tiles.

### Technical Data



Color	Grey
Packaging	25 kg
Water Ratio	24% (± 1%)
Density	1,300 – 1,500 kg/m <sup>3</sup>
Consumption with 6 x 6mm Notched trowel	7 m <sup>2</sup> per 25 kg bag
Application Temperature	+5° to +40°C
Pot Life @ 23°C	60 minutes
Open Time @ 23°C	30 minutes
Adjustability @ 23°C	15 minutes
Tensile Adhesion Strength (ISO 13007-2:2005 ; TCVN 7899-2:2008)	≥ 0.5 N/mm <sup>2</sup>

### Mixing

- Maxbond 505 : 25 kg
- Clean Water : 5.75 – 6.25 liter

Pour 5.75 liter of water into mixing container and slowly add Maxbond 505 powder while stirring with an electrical mixer. Adjust to the desired consistency by adding part portion of 0.5 liter water. Mix for 3 minutes until lump free homogenous consistency. Let the mix sit for 5 to 10 minutes and remix again before using.

### Preparation

Concrete or floor screed shall be sufficiently cured for 28 and 14 days respectively.

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All substrates shall be clean, sound and free from contaminants, laitance and loose particles.  
Smooth and painted surface must be scrubbed to expose at least 75% of clean roughen surface.  
Expansion joints must be incorporated during the design stage to coincide with the tile joints.  
Dampen the substrate prior to application.

### Application

The size of notched trowel to use depends on tile sizes, depth of lugs and the evenness of the substrate. Optimal performance is achieved with 100% coverage to both substrate and tile with a 2 to 5mm mortar bedding in between.

With an appropriate size notched trowel, spread the mortar onto the substrate using the flat side to obtain a thin uniform layer. Follow up by using the notched side to apply additional mortar to achieve the desired toothed thickness. Trowel only in straight lines in a single direction.

Back butter irregular backed tiles and place the tile by moving it in back and forth motion perpendicular to the trowel ridges.

Do not pre-soak tiles before installation. If tiles are dusty, wipe with a clean wet cloth or quick dip in clean water. The open time of the mortar could drastically be reduced depending on conditions such as strong sunlight, dry wind, high temperature and highly absorbent substrates.

Check constantly to see if the adhesive has formed a skin. Once skinning is detected, the adhesive must be removed and remix. Do not add water during remix.

Do not adjust tiles after they have been placed past 15 minutes.

### Storage & Shelf Life

Keep elevated in dry, moisture free condition. Can be stored for 12 months in sealed original packaging.

### Health & Safety

Prevent contact with skin and wear waterproof gloves and goggles when handling. Upon contact with skin, wash with soap and water. In case of eye contact, flush with water and seek medical attention immediately.

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