

PolyMastic Premixed Tile Adhesive



Characteristics:

- Polymastic is an internal wall adhesive with superior non slump properties, specially designed for larger wall tiles.
- Polymastic is a white acrylic based, flexible, premixed tile adhesive designed for bonding all types of porous ceramic, and mosaic tiles, onto a variety of substrates like render, rendered brickwork, block work, gyprock, plasterboard, and fibre cement surfaces.
- Polymastic is NOT recommended for use over concrete slabs, timber floors and painted surfaces.
- Polymastic has limited suitability for use with large format low porosity tiles over approved membranes. If used over an approved membrane, allow for significantly longer drying times and avoid using in conjunction with large or low porosity tiles.

Preparation:

- All rendered surfaces must be allowed to cure for at least 7 days prior to commencing tiling.
- Ensure all rendered surfaces have a wood float finish.
- The maximum variation in the plane must not exceed 5mm in 3 meters for floors and 4mm in 2 meters for walls.
- Fibre Cement sheet when used as an underlay or wall material must be a minimum of 6mm in thickness.
- All FC Sheets should be fixed in accordance with the manufacturer's instructions and the relevant standards.
- Gypsum –plasterboard sheets when used as a wall substrate must be a minimum of 10mm thick, and installed in accordance with the manufacturer's instructions and the relevant standards.
- Ensure all surfaces are sound, dry and free from excessive movement, oil, dust, grease, wax, curing compounds, release agents, paint and any other loose contaminating materials.
- It is recommended that most surfaces must be primed with RLA Universal Primer, especially porous surfaces, to ensure a sound bond of the adhesive to the substrate.
- When applying the primer on a wall surface it is recommended to use a brush or roller.
- Allow the primer to dry for approximately 20 minutes at 20°C prior to commencing tiling.

Expansion / Movement Joints:

Expansion / movement joints must be provided to allow for movement between adjacent building components. They should be as follows:

- Over existing joints in the substrate.
- Where two different substrates meet. Eg: timber & concrete.
- At internal vertical corners.
- Around the perimeter of the floor at wall/floor junctions.
- On wall surfaces at storey heights horizontally and approximately 3m- 4.5m apart vertically.
- Ideally they should be located over movement joints in the structural background and at structural material (The above points are in accordance with AS3958.1-2007)

Movement joints should go right through the tile adhesive bed to the background and be kept free from dirt and adhesive droppings.

Movement joints must not be less than 6mm and not wider than 10mm. The movement joints must be filled with a flexible sealant like Silicone.

Coverage:

- The coverage of Polymastic will vary depending upon the substrate and size and type of tile.
- As a guide it will cover approximately 9.9m² per pail when using a 6mm x 6mm notched trowel.

Application:

- Once the surface has been appropriately prepared in accordance with the above instructions then apply the adhesive onto the substrate using an appropriate notched trowel.
- For wall tiling use 6mm x 6mm square notched trowel for tiles up to 200mm x 200mm.
- For tiles larger than 200mm x 200mm use a 8mm x 8mm square notched trowel.
- Polymastic can be applied onto the substrate at a rate of 1m² at a time.
- Application rates greater than this can result in the adhesive skinning before the tiles are laid into it.
- Once the adhesive is applied onto the substrate ensure that it does not skin prior to bedding the tiles into it.
- Once the adhesive skins do not lay tiles into it, but remove it and apply fresh adhesive.
- When placing the tiles into the adhesive press them in by using a sliding action.
- Ensure no voids occur and full coverage of adhesive is under the tiles.
- For larger tiles and tiles with lugs, grooves or uneven backing, butter the back of the tile thinly with adhesive in addition to trowelling the adhesive onto the substrate.
- The final bed thickness of the adhesive should be no greater than 3mm for wall tiling.
- Once the tiling is completed do not disturb the tiled surface for at least 24 hours at 20°C.
- Longer periods will be required in cooler weather.

Grouting Application:

- Grouting application can commence 24 hours after the completion of tiling.
- Refer to RLA grout data sheets for all technical information.

Packaging / shelf life:

- Polymastic is available in 4L and 14L Pails.
- A pail of Polymastic, when stored in a cool, dry environment, and is stored above ground level, will have a shelf life of approximately 12 months.

Handy Tips:

- Do not apply Polymastic in temperatures above 40°C and below 5°C.
- Polymastic cannot be used for external tiling applications.
- Polymastic cannot be used for fixing tiles directly onto timber or concrete floors.
- Polymastic cannot be used for fixing tiles in permanently immersed situations like swimming pools, spas etc and permanently damp concrete slabs like those present around the pool surrounds etc.
- Polymastic has limited suitability for use with large format low porosity tiles over approved membranes. If used over an approved membrane, allow for significantly longer drying times and avoid using in conjunction with large or low porosity tiles.
- Polymastic cannot be used to fix any kind of moisture sensitive stone.
- For applications / situations not mentioned in this data sheet please contact your nearest RLA office.
- Polymastic is classified as a non-hazardous product.
- For a full SDS on this product please contact your nearest RLA office.

Technical Data

Appearance

White Paste

Open Time

20 minutes @ 20°C

Drying Time

Approx 24 hours @ 20°C

Disclaimer: The information supplied is to the best of our knowledge true and accurate. The actual application of the product is beyond the manufacturers control. Any failure or damage caused by the incorrect usage of the product is not the responsibility of the manufacturer. The manufacturer insists that all workmanship must be carried out in accordance with AS 3958.1-2007. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.