

DESCRIPTION

TREMBond Mastic is non-slump, white, cement based tile adhesive specially designed for large format tiles.

What makes TREMBond Mastic so unique is that it will not slump with tiles on the wall or the floor. TREMBond Mastic accommodates shrinkage movement associated with early age concrete and screeds.

USAGE/PURPOSE

TREMBond Mastic is ideal for bonding a large range of tiles including ceramic, fully vitrified, porcelain, natural stone, terrazzo, glass and mosaics to concrete, render and screened floors.

FEATURES & BENEFITS

- Low VOC content- meets Green Building Council of Australia Green Star IEQ-13 requirements.
- High Modulus
- Flexible
- Non Slump
- Extended Open Time
- Adhesive-meets C2S1TE classifications

PACKAGING

20kg bag

COLOUR

White

SHELF LIFE

12 months when stored as recommended in original unopened packaging.

STORAGE

Store above ground level in original, undamaged packaging in a cool, dry, protected location.

LIMITATIONS

- Do not apply TREMBond Mastic in temperatures below 5°C and above 35°C.
- TREMBond Mastic has an open time of 35 minutes and an adjustment time of 60 minutes. Please be aware of site conditions and only spread enough adhesive so that tiles can be fixed while the adhesive is still wet.
- Do not set tiles into "skinned" adhesive. Remove any skinned adhesive and reapply fresh wet material.
- TREMBond Mastic is not suitable for direct stick to timber.
- Not suitable for heavy stone on walls.
- Not suitable for framed floors with spans longer than 5m.
- Ensure that exterior tiling or tiling in wet areas has suitable falls to avoid ponding.
- Protect tiling from water, rain and bad weather until at least 24 hours after grouting.



PROPERTIES	
PROPERTY	TYPICAL VALUES
Mixing Ratio	Approx. 4.5L water per 20kg powder
APPLICATION PROPERTIES AT 23°C & 50% RH	
Open Time	35 minutes
Adjustment Time	60 minutes
Grouting Time	8 hours
Ready For Use	24 hours
Pot Life	2 hour
Suitable for Under Floor Heating	Yes
MECHANICAL PROPERTIES (AS/ISO13007.1)	
Tensile Adhesion Strength after 28 Days Dry	1.9MPa
Water Immersion	1.2MPa
Heat	1.2MPa
Freeze Thaw	1.2MPa
Specific Gravity	1.4kg per Litre
Classification	C2S1TE

CONDITIONS PREPARATION FOR CONCRETE SURFACE

Ensure surfaces are sound and free from movement, oil, grease, wax, dust and any curing and release agents and any other barrier materials. Ensure surface to be tiled over is strong enough to support the weight of the tiles being fixed. Surface needs to be dry before tiling, with no residue or permanent damp.

SUBSTRATE PREPARATION FOR CONCRETE & CEMENT RENDER SCREEDS

Ensure all concrete slabs are allowed to cure for at least 7 days in accordance with AS 3958.1-2007 and have a wood float finish. The maximum variation in the plane of the concrete must not exceed 5mm in 3 meters for floors and 4mm in 2 meters for walls. Steel trowelled finished concrete surfaces must be mechanically abraded. All render surfaces must be allowed to cure for at least 24 hours prior to commencing tiling.

SUBSTRATE PREPARATION FOR ALL PLASTER BOARD/FIBRE CEMENT SHEET WALL AND FLOOR

Fibre cement sheeting must be the correct sheeting for the installation and be used and installed in accordance to the manufacturer's written specifications. The surface must be primed with TREMproof WB Primer. Plasterboard sheets must be the correct sheeting for the installation and be used and installed in accordance to the manufacturer's written specifications. The surface must be primed with TREMproof WB Primer.

SURFACE PREPARATION FOR TIMBER SURFACES

Before tiling over timber contact Tremco for advice regarding required preparation. Not all timber can have tiles directly bonded. If unsure install a suitable ceramic tile underlay according to the manufacturer's printed directions.

JOBSITE MATERIALS

Recommended materials and their uses are as follows:

- ❑ Dymonic 100: A one-part, moisture-curing, gun grade polyurethane sealant for use in precast, masonry, expansion joints, control joints and for use in forming cant/fillet beads.
- ❑ TREMflex 50: A one-part, moisture-curing, gun grade polyurethane sealant for use in precast, masonry, butt joints and for use in forming cant/fillet beads.
- ❑ TREMbond Mastic: Is a non-slump, white, cement based tile
- ❑ TREMproof WB Primer: A single component water based acrylic coating used to penetrate and prime concrete and masonry surfaces. When dry, it forms a clear non-yellowing film resistant to water and weathering.

PRIMING

TREMbond Mastic requires the use of TREMproof WB Primer. For any Non-Porous surfaces contact your local Tremco Representative.

DETAIL WORK - EXPANSION AND MOVEMENT JOINTS

- ❑ Must be installed in accordance with Australian Standard AS3958.1-2007.
- ❑ Movement Joints must be placed from the substrate through the tile bed up to the face of the tile.
- ❑ Movement joints must be clean and free from dirt, adhesive droppings and tile spacers. They must be a minimum of 6mm wide and no wider than 10mm. They should be filled with a suitable elastomeric sealant such as Dymonic 100.

Movement joints must be placed:

- ❑ Every 4.5 metres externally and every 6 metres internally.
- ❑ Around the perimeter of the floor; over existing joints in the substrate.

- ❑ Where 2 different materials meet (e.g. wood and concrete).
- ❑ Around fixtures in the substrate (e.g. columns).
- ❑ Internal vertical corners; changes in direction of the tiling at changes in storey height.
- ❑ Over existing movement joints.
- ❑ As recommended by the sheet manufacturer.
- ❑ See special instructions for exterior framed decks

MIXING

- ❑ 20kg of TREMbond Mastic powder requires 4.5 litres of water.
- ❑ Always add powder to liquid while mixing. Mix until lump free and uniform.
- ❑ Allow to stand for 5min and then re-stir.
- ❑ Adhesive is now ready to use.

COATING APPLICATION

All tiling must be carried out in accordance with AS3958-2007 – A Guide to Tiling.

- ❑ Apply the adhesive onto the surface using the correct square notched trowel. Use a 6mm trowel for wall tiles up to 200x200mm. Use a 10mm trowel for tiles up to 300x300. For tiles 300x300 and larger use a 12mm trowel. Tiles that are 400x400 and over need to be back buttered.
- ❑ Use the flat side of the trowel to apply adhesive to the back of the tile about 1-2mm thick.
- ❑ TREMbond Mastic can be applied at a bed minimum thickness between 2 to 10mm for walls and 3 to 10mm for floors.
- ❑ Tiles must be firmly pressed in the freshly trowelled adhesive, slide the tile at a right angle to the notch pattern to ensure 100% coverage is achieved and so there are no air gaps behind the tile.
- ❑ Tiles that are uneven or have lugs on the back to be buttered with adhesive as well.

GROUTING

Commence grouting after about 8-16 hours when tile adhesive has hardened sufficiently so that the tiles will not be dislodged. This may take longer in cool weather.

CLEAN UP

- ❑ Excess adhesive can be removed using a clean damp cloth while still wet.
- ❑ Tools and other equipment can be cleaned up using water while the adhesive is still wet.

COVERAGE

A 20kg bag of TREMbond Mastic will cover approximately 12m² on walls using a 6mm notched trowel and 7m² on floors using a 10mm notched trowel. The coverage will vary depending on substrate condition, tile type and application technique.

HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet (SDS) must be read and understood prior to use.

TECHNICAL SERVICE

TREMCO has a team of Representatives who provide assistance in the selection and specification of products. For more detailed information or service and advice, call Customer Service on (02) 9638 2755 or fax (02) 9638 2955.

GUARANTEE/WARRANTY

TREMCO products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with TREMCO written instructions and (b) in any application recommended by TREMCO, but which is proved to be defective, will be replaced free of charge.

Any information provided by TREMCO in this document in relation to TREMCO's goods or their use is given in good faith and is believed by TREMCO to be appropriate and reliable. However, the information is provided as a guide only, as the actual use and application will vary with application conditions which are beyond our control. TREMCO makes no representation, guarantee or warranty relating to the accuracy or reliability of the information and assumes no obligation or liability in connection with the information. To the extent permitted by law, all warranties, expressed or implied are excluded.