



LATICRETE® Multi-Mastic D2

DS-MMD2.0-0913

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

LATICRETE® Multi-Mastic D2 Premium Wall Tile adhesive

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

A brilliant white ready mixed adhesive paste, for use as a convenient to use, thin-bed, waterproof ceramic wall tile adhesive. Suitable for fixing all types of ceramic wall tiles, including mosaics, porcelain, stone and vitrified tiles in internal locations such as bathrooms, kitchens and shower areas where the tiled surface is subject to frequent wetting, but not total water immersion.

Uses

This ready to use adhesive can be applied to gypsum plaster, cement fibreboard, tile backer boards, existing tiles, cement render, concrete block-work, timber panels and plywood composite boards. LATICRETE® Multi-Mastic is recommended for use in areas such as multi-shower changing rooms, steam rooms, power showers, worktops and any tiled wall surface, which is subject to persistent humidity or frequent wetting but not full immersion.

Advantages

- Brilliant white
- Conforms to EN 12004 D2T
- Recommended for small mosaics & glass tiles.
- Excellent shear bond strength.
- Excellent initial grab & Non-Slip
- High performing smooth creamy formula.

Suitable Substrates

- Exterior glue WBP plywood*
- Masonry render
- Concrete block
- Existing ceramic tile
- Gypsum wallboard*
- Gypsum plaster
- Cement terrazzo
- Cement backer boards**

*Interior use only.

**Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use.

Packaging

15 kg supplied as 56 buckets per pallet

Colour

Brilliant White

Approximate Coverage

7.0–9.0 m² per 15kg bucket with a 6 mm x 6 mm notched trowel.

Coverage will vary depending on size of tile and substrate.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year* if stored off the ground in a dry area.

* High humidity will reduce the shelf life of bagged product.

Limitations

- For interior use only.
- Not for use directly over particle board, luan, Masonite® or hardwood.
- When fixing large format porcelain or vitrified tiles greater than 300mm x 300mm, a cement-based Laticrete polymer fortified thin-set adhesive is recommended.
- Leave grout joints open for up to 7 days when fixing impermeable or porcelain tiles over existing tiles or a similarly impermeable surface.
- Do not use this adhesive when ambient temperatures are below 7°C (45°F).
- Do not wet the tile surface until 14 days after grouting has been completed.
- Use LATAPOXY 300 Adhesive for installing green marble, resin backed, or water sensitive tile, stone and agglomerates.
- Adhesives/mastics, are not replacements for waterproofing membranes. When a waterproofing membrane is required, use LATICRETE® HYDROBAN Waterproofing Membrane

Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length (except where local building codes specify more stringent deflection requirements)

Cautions

Consult MSDS for more safety information.

- For green, resin backed and moisture sensitive stones and agglomerates, use LATAPOXY® 300 Adhesive (refer to Data Sheet 633.0).
- Keep out of reach of children.

4. TECHNICAL DATA

Applicable Standard

EN12004 D2T

Physical Properties:

Test	Test Method	EN12004 D2T Specification
28 day cure shear adhesion strength	EN 1324 – 7.2	> 1.0 N/mm ²
Shear adhesion strength after heat ageing	EN 1348 – 7.4	> 1.0 N/mm ²
Shear adhesion strength after water immersion	EN 1348 – 7.3	> 1.0 N/mm ²
Shear adhesion strength at elevated temperature	EN 1348 – 7.5	> 1.0 N/mm ²
Open time after 30 minutes (Tensile adhesion)	EN 1346	> 0.5 N/mm ²
Slip	EN1308	< 0.5 mm

Working Properties

Open Time	20 minutes
Time to Grout	24 hours

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

All surfaces must be clean, firm and free of dust, dirt, oil, grease and loose flaking coatings. Gypsum finishing plaster should be at least 4 to 6 weeks old, thoroughly dry and wiped clean of dust, efflorescence and loose flaking material.

Highly polished (shiny) plaster surfaces should be roughened with a stiff brush, removing all loose fines. All plaster and porous masonry surfaces should be primed with NXT PRIMER diluted as 1 part to 3 parts with water. All wood -based surfaces, (plywood and composite panel-boards) should be dry, sealed on all exposed faces and edges and then primed using NXT PRIMER diluted as 1 to 3 parts water.

Timber boarding should be WBP Exterior glue waterproof rated, 15mm thick and be screw fixed at 150mm centres to provide a dimensionally stable background as described in BS 5385-5:2009.

In frequently wet areas where Laticrete Multi-Mastic D2 is used, it is not recommended that wall panels be constructed from plasterboard or any composite material, which do not have some degree of water resistance.

All boards must be level, showing no edge protrusions and be fixed in place with a 0.5 to 1mm gap to avoid expansion stresses between the boards and around the wall corners.

Movement joints in walls shall be provided through the tile work from all existing construction or expansion joints in the substrate. Follow BS 5385-5:2009 section 8 for the design & installation of movement joints within the tiled area. Do not cover movement joints with mortar.

Remove areas of unsound (emulsion based) paint from walls and when tiling over existing tiles ensure they are securely fixed in all areas. Thoroughly clean and dry tiled, or non-porous surfaces and slightly score out joints to provide a key.

Application

Use a notched trowel (6mm x 6mm) to give a ribbed bed on the wall surface, into which the tiles are firmly bedded with a twist and slide action to ensure complete contact, without any voids or gaps remaining beneath the tiles. The position of the tiles can be adjusted up to 10 minutes after initial fixing.

Open time of the exposed adhesive bed is approximately 20 minutes, depending on surface porosity and site conditions, however in warm rooms this period may be reduced – check the adhesive remains “tacky to touch” as fixing proceeds. Do not trowel out an area of adhesive greater than can be tiled over within a 10 minute period. The final adhesive bed depth should be in the range of 2 to 3mm and grout joints should be at least 2mm, unless self-spacing tiles are used.

Ensure all adhesive residues remaining on the tile face are wiped clean with a moist cloth as fixing proceeds, and rake out any excess adhesive from within the grout joints. This adhesive should not be applied onto walls affected by penetrating damp, or when the room temperature is below 5°C. When fixing large format ceramic or porcelain tiles the drying time of the adhesive will be significantly extended therefore grouting should be delayed until the adhesive is fully dry and any tiles of size 300mm x 300mm or greater should ideally be fixed using a cement based adhesive.

Grouting:

Grout all joints within the installation after a minimum of 24 hours curing time at 70°F (21°C). Cooler temperatures require a longer curing time and large format tiles fixed on impermeable surfaces may require joints to be left open for up to 7 days to allow drying of the adhesive. Grout joints with either LATICRETE® Permacolour grout or LATICRETE® Spectralock Premium PRO grout in accordance with the product instructions.

Cleaning

Clean tools with water.

6. AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® materials are available worldwide. For Distributor Information, call 0151 486 6101 or visit LATICRETE UK at

www.laticrete.co.uk

7. MAINTENANCE

Non-finish LATICRETE® and LATAPOXY® installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

8. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE UK Technical Service Hotline:

Tel: 0151 486 6101

Fax: 0151 448 1982

e-mail: sales@laticrete.co.uk

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.co.uk

9. DISCLAIMER

The information contained in this document is given in good faith and to the best of our knowledge is true and accurate.

This information is subject to change without notice and it is the responsibility of the user to obtain up to date and current information.

The use of this product is beyond our control and liability is assumed by the user when used incorrectly and not in accordance with LATICRETE guidelines.

The manufacturer is not responsible for any loss or damage arising from incorrect usage of this product.

The specifier or other party responsible for the project must ensure that the details in this data sheet are appropriate for the intended application and that additional detailing is performed for specific design or any areas that fall outside the scope of this specification.

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