



4-XLT

4-XLT is a multi-use, polymer fortified adhesive mortar. 4-XLT offers tremendous utility including non-sag wall installations, large heavy tile adhesive mortar build-up of up to 19 mm and thin-set applications.

Globally Proven Construction Solutions



FEATURES/BENEFITS

- Incredible non-sag performance
- Excellent Large and Heavy Tile Mortar performance used as a bonding mortar from a minimum of 3mm up to a 19mm without shrinkage
- Smooth and Creamy consistency
- Large and heavy tile
- "Extra Heavy" rating per ASTM C627
- Exceeds ISO 12004 - C2TES2 classification
- Bonds to many suitable substrates
- Exceeds ANSI A118.15HT, ANSI A118.4HT, and ANSI A118.11

USES

- For floor and wall installations of interior and exterior ceramic tile, porcelain tile and stone
- Ideal for most thin-set applications

PACKAGING

- 22.7kg bag, 56 bags per pallet

SUITABLE SUBSTRATES

- Brick Masonry
- Cement Backer Board~
- Ceramic Tile and Stone
- Concrete
- Concrete Block
- Concrete Masonry
- Gypsum Wallboard
- Non-Water Soluble Cut-Back Adhesive
- Exterior Glue Plywood*
- Vinyl Or Other Resilient Tile*

*Interior use only.

~Check with cement backer board manufacturer for suitability, exterior work and load limits.

MANUFACTURER

LATICRETE New Zealand
3 /118 Asquith Avenue, Mt. Albert,
Auckland, 1023, New Zealand

Telephone: +64 9 394 1900

Internet: nz.laticrete.com

Approximate Coverage (per 22.7kg bag)

7.4 – 8.8 m ²	/	6 mm x 6 mm notched trowel
5.6 – 6.5 m	/	9 mm x 6 mm notched trowel
3.7 – 4.4 m ²	/	12 mm x 12 mm notched trowel.

Shelf Life

Factory sealed bags of this product are guaranteed to be of first quality for two (2) years from date of manufacture. High humidity will reduce the shelf life of bagged product.

Limitations

- Not for use directly over OSB, interior glue plywood, particle board, luan, Masonite® or hardwood floors.
- For veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® HYDRO BAN® waterproofing membrane.
- Not for use in submerged applications. For these applications, use LATICRETE 254 Adhesive.
- 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/720 for thin bed stone installation where L=span length (except where local building codes specify more stringent deflection requirements)

Cautions

Before using any LATICRETE product:

- Consult SDS for safety information.
- Some marbles and other stone have low flexural strength and may not be suitable for installation over wood floors.
- For white and light-coloured marbles use 4-XLT White adhesive. For green marble, resin backed tile and stone and other moisture sensitive marbles and agglomerates, use LATAPOXY® 300 Adhesive (refer to Data Sheet 1047NZ).
- During cold weather, protect finished work from traffic until fully cured.
- Contains Portland cement and Silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water. Wear protective gloves, protective clothing and eye protection when handling.
- DO NOT take internally. Silica sand may cause cancer, respiratory irritation or serious lung problems. Do not breathe dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

TECHNICAL DATA**VOC Product Information**

Total VOC Content of product in unused form is 0.00 g/L.

Applicable Standard

- ISO 12004 - C2TES2
- ANSI A118.4HT
- ANSI A118.11
- ANSI A118.15HT

Physical Properties

Test	ANSI A118.15 Specification	Results
Vit-Vit Shear Strength: 24 hrs	0.6 MPa	1.4 MPa
Vit-Vit Shear Strength: 7 days	2.0 MPa	3.3 MPa
Vit-Vit Shear Strength: 7d Water Immersion	1.3 MPa	1.7 MPa
Vit-Vit Shear Strength: 28 days	2.7 MPa	3.4 MPa
Quarry-Quarry Shear Strength: 28 days	1.0 MPa	2.1 MPa
Glazed Wall Tile Shear Strength: 7 days	3.1 MPa	3.2 MPa
Glazed Wall Tile Shear Strength: 7 days Water Immersion	1.7 MPa	2.6 MPa
Sag	<0.50 mm	0.35mm
Open Time: 20 minutes at 28 days	>0.50 MPa	0.92 MPa

Working Properties at 21 °C

Pot Life	4 hours
Time to Traffic	24 hours

Specifications 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.

INSTALLATIONS**Surface Preparation**

All surfaces should be between 4°C and 32°C and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with a LATICRETE latex fortified underlayment or leveling mortar to provide a proper finish. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. New concrete slabs shall be damp cured and 28 days old before application. All slabs must be plumb and true to the required tolerances based on format size of tile. Movement joints shall be provided through the tile work from all construction or movement joints in the substrate. Follow Australian Standards requirements AS3958 or TCNA detail EJ-171 "Movement Joints-Vertical & Horizontal". Do not cover movement joints with Adhesive. Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes.

Mixing – 22.7 kg bag

For Walls and Large and Heavy Tile Mortar Applications Place 4.3 L – 4.5 Litres of clean water in a pail and slowly add the entire bag of 4-XLT. Mix with slow speed mixer for one minute. DO NOT temper with water. Allow to slake for 5 minutes, remix and use.

For Thin Bed Applications Place 4.7 L of clean water in a pail and slowly add the entire bag of 4-XLT. (To mix smaller quantities use 3.6 parts powder to 1 part water.) Mix with slow speed mixer for one minute or until a creamy smooth consistency is reached. Allow to slake for 5 minutes, remix and use.

Application

Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional adhesive with the notched side.

Note: Use proper sized notched trowel to ensure full bedding and appropriate adhesive thickness under tile. Spread as much adhesive as can be covered with tile in 10–15 minutes or whilst adhesive is wet and tacky. Back butter large tiles >200mm x 200mm to provide full bedding and firm support if required. Place tiles into wet, sticky adhesive and beat in using a beating block, rubber mallet and/or slide the tile back and forth to embed tile and adjust level. Check adhesive for complete coverage by periodically removing a tile and inspecting bedding adhesive transfer onto back of tile. If adhesive is skinned over (not sticky), remove and replace with fresh adhesive.

Grouting

Grout installation after a minimum of 24 hours curing time at 21°C. Grout with SPECTRALOCK® PRO Premium Grout; or, PERMACOLOR Grout.

Cleaning

Clean tools and tile work with water while adhesive is fresh.

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide.

For Distributor information:

Telephone: +64 9 394 1900

For online distributor information, visit LATICRETE at nz.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

MAINTENANCE

LATICRETE and LATAPOXY grouts, sealers and sealants require routine maintenance and cleaning with a neutral pH detergent and water. See TDS 1113 for more information.

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

TECHNICAL SERVICES

Technical assistance

Information is available by calling:

Telephone: +64 9 394 1900

Technical and safety literature

To acquire technical and safety literature, please visit our website at nz.laticrete.com

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.
- Efflorescence is a normal condition of Portland cement and is not covered by any warranty. The use of LATAPOXY® SP-100, LATAPOXY 310 Stone Adhesive, LATAPOXY 300 Adhesive, SPECTRALOCK® PRO Premium Grout¹ and SPECTRALOCK 2000 IG will not contribute to any noticeable efflorescence.

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¹ United States Patent No.: 6,881,768 (and other Patents).