



LEVEL

LEVEL is a cement-based underlayment for use in levelling interior substrates. LEVEL produces a flat, smooth and hard surface for the installation of flooring finishes. LEVEL can be placed from 3mm – 76mm in a single lift.

Globally Proven Construction Solutions



FEATURES/BENEFITS

- Pourable and pumpable
- Inorganic; will not contribute to mould/mildew growth
- Suitable surface for most finished floor goods
- Can be applied directly over concrete testing at RH of 95% or less per ASTM F2170

PACKAGING

- 20 kg bag/56 bags per pallet

COLOUR

- Grey

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.

SUITABLE SUBSTRATES (INTERIOR ONLY)

- Concrete
- Vinyl Tile
- Cement Terrazzo
- Exterior Glue Plywood
- Ceramic Tile and Stone
- Cement Mortar Beds
- Cement Backer Board*

* Consult cement backer board manufacturer for specific installation recommendations.

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 20 kg bag

Nominal Thickness	Approximate Coverage
3mm	3.9m ²
5mm	2.34m ²
10mm	1.17m ²
25mm	0.47m ²
50mm	0.23m ²
76mm	0.15m ²

Limitations

- Do not install LEVEL over particleboard, chipboard, hardboard (Masonite®), Luan panels, asbestos, gypsum-based patching materials, asphalt, coal tar, or lightweight insulating concrete, or any other dimensionally unstable materials.
- LEVEL is not recommended for steel-wheeled traffic.
- For interior use only.
- Do not install when surface temperature is below 4 °C or above 32 °C.
- Do not install over painted surfaces.
- Do not exceed recommended mixing ratio as indicated in mixing instructions. Over watering will weaken product properties.
- Never mix with cement or admixtures.
- Although the minimum application depth is 3mm, LEVEL can be finished to a feather edge on its perimeters.
- Do not apply LEVEL over waterproofing or crack isolation membranes.
- 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® Waterproofing Membrane on top of the dry LEVEL.
- Not for use in submerged applications.

Note: Substrate deflection under all live, dead and impact loads, including concentrated loads, shall comply with applicable building code and finish floor manufacturer requirements.

Cautions

- Read and understand the Product Data Sheet and Material Safety Data Sheet.
- Check nz.laticrete.com for any technical bulletins or updated information about the product and its application
- Contact your local LATICRETE Technical Sales Representative with any questions.
- Consult SDS for more safety information.
- 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.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear an approved respirator in dusty areas.
- Keep out of reach of children.

TECHNICAL DATA

VOC Product Information.

Green Building Council of Australia Green Star Office Design & Interior VOC: 1gram/litre

Pour Depth	3mm – 76 mm Consult Technical Services for Depths Over 76mm
Walkable	3-4 hours at 21 °C
Tensile Bond Strength (ASTM C 1583)	1.9 – 2.7 MPa (275 - 305 psi)
Flexural Strength (ASTM C 1708) 28 Day Cure	5.2 – 6.9 MPa (750 - 1000 psi)
Compressive Strength (ASTM C 1708) 28 Day Cure	27.6 MPa (4000 psi)
Heal Time	>15 minutes
Final Set Time	<120 minutes
Installed Dry Weight (per square metre @ 6mm)	11.8 - 12.3 kgs/m ²

Specifications are subject to change without notification. Technical data shown in LATICRETE® product data sheets and technical data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors.

INSTALLATIONS

Surface Preparation

- Refer to TDS 1230 Substrate Preparation and Primer Guide for more detailed surface preparation instructions.
- All concrete surfaces must achieve a minimum ICRI CSP of 3.
- Clean substrate to eliminate dust, dirt, oil, grease, paint or any contaminants which may inhibit bonding. Do not use chemicals to clean substrate. Remove any loose particles by vacuuming and damp sponging.
- Refer to specific finished flooring industry requirements or standards for treatment of movement joints and cracks in the sub-floor. For exterior glue plywood substrates use with 3.2# galvanized diamond metal lath.
- Maintain substrate temperature between 4 – 32 °C and air temperature between 10 – 32 °C during application and drying. Provide adequate ventilation to ensure uniform drying

Priming

Use LATICRETE PRIMER with every application of LATICRETE LEVEL. See DS 1236 and TDS 1230 LATICRETE Substrate Preparation and Primer Guide for more detailed dilution, approximate coverage and application instructions.

Note: Keep primed surface clean. Do not allow any foot traffic onto surface.

Mixing

LEVEL should be mixed with 4.4 – 4.6 Litres of water per 20 kg bag. Do not over water. For manual application, add product to water and mix for 3 minutes with a heavy duty drill (650 rpm) to obtain a lump free mix. LEVEL can also be used in most pump equipment. Please consult with a LATICRETE representative to verify equipment compatibility. A flow test should always be performed to ensure that the mix is homogeneous and free from separation. The ideal flow range for LEVEL is 250mm – 280mm using the LATICRETE Flow Test Method. See TDS 1235 – self-leveling underlayment Flow Test - for more detailed instructions on performing flow tests.

Application

Substrate temperature must be between 4 – 32°C during application and air temperature maintained between 10 – 32°C. Protect areas from direct sunlight. Do not use damp curing methods or curing and sealing compounds. If required to meet level tolerances, survey surface using a digital or electronic leveling device and apply level pegs as required. Adequate ventilation should be provided to ensure uniform drying. Pump or pour blended material onto substrate at an average thickness ranging between 3 – 76mm for all surfaces except for lightweight concrete which shall have a minimum thickness of 16 mm and wood substrates will have a minimum thickness of 12 mm with diamond lath. Immediately following placement, lightly smooth the surface and pour lines. When not using elevation pins the use of a gauge rake will assist in controlling material depth. Do not expose LATICRETE self-leveling underlayments to rolling dynamic loads, such as forklifts or scissor lifts, for at least 72 hours after installation at 21 °C. Proper application is the responsibility of the user. Field visits by LATICRETE personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Flooring Installation

Finished floor goods may be installed as soon as 3 days after application, subject to thickness, drying conditions and type of flooring materials. Non-moisture sensitive tile and stone can be applied once self-leveling underlayment is walkable, approximately 3 – 4 hours. Always refer to finished floor manufacturer's recommendations regarding installation instructions, restrictions, moisture conditions and compatibility. Always test performance suitability and compatibility of finished floor systems prior to their application. Sample surfaces should be installed as a field test so as to be representative of entire surface and tested for intended use.

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

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