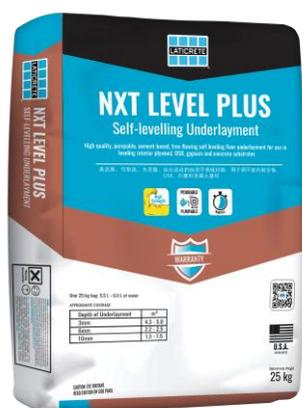




**For the Builders
of a Better World™**

NXT LEVEL PLUS

NXT Level Plus is a high quality, cement-based, pumpable, free-flowing underlayment for use in leveling interior Plywood/OBS, Gypsum and Concrete substrates. Rapid setting formula produces a flat, smooth and hard surface for the installation of finished flooring after 12 hours



FEATURES/BENEFITS

- Finish floor goods can be applied quickly, as soon as 12 hours after
- High compressive strength
- Easy to use, free-flowing
- Inorganic; will not contribute to mold/mildew growth
- Long heal time for extended workability
- Low shrinkage
- Compatible with most adhesives
- Can be applied directly over concrete testing at RH of 100% or less per ASTM F2170

PACKAGING/COLOUR

- 25kg bag; 56 and 80 bags per pallet
- Grey

MANUFACTURER

LATICRETE (Malaysia) Sdn Bhd
#18-08, Faber Tower 2, Jalan Desa Bahagia,
Taman Desa,
58100 Kuala Lumpur, Malaysia
Tel: +603 7989 9188 Fax: +603 7972 0331
Internet: <https://ma.laticrete.com>

USES

- Used to level floor & correct any surface irregularities prior to installation of screed or finished floor like tile, stone, wood, carpet etc
- Fix uneven surfaces, smoothing rough, spalled concrete & finishing rough screed concrete slab especially floor surface
- Interior and dry areas for new and upgrading projects in both residential and commercial applications

SUITABLE SUBSTRATES

- | | |
|-----------------------------|------------------------------|
| ▪ Concrete | ▪ Cement backer board* |
| ▪ Cement terrazzo** | ▪ Cement tile & stone** |
| ▪ Vinyl Tile^ | ▪ Exterior Glue Plywood** |
| ▪ Linoleum^ | ▪ Cement mortar beds |
| ▪ LATICRETE® MVB^ | ▪ Non-cushioned Sheet Vinyl^ |
| ▪ Certain Gypsum Substrates | |

* Consult cement backer board manufacturer for specific installation recommendations

**See 5. Installation – Surface Preparation

^ See section 5 installation over Vinyl tile, Linoleum, Sheet Vinyl and LATICRETE MVB

Approximate Coverage

Yield/coverage is only an estimated and may vary depending on the mixing ratio and field conditions. 25kg bag of NXT Level Plus will yield approximately 13m² to 15m² per mm thick

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for six (6) months* if stored off the ground in a dry area, at temperatures > 0°C and < 40°C

* High humidity will reduce the shelf life of bagged product

Limitations

- Do not install NXT Level Plus over particleboard, chip board, hardboard (Masonite), Luan panels, asbestos, asphalt, coal tar, or lightweight insulating concrete or any other dimensionally unstable materials
- 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
- Do not apply NXT Level Plus over waterproofing or crack isolation membranes
- Adhesive/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 NXT Level Plus
- Not for use in submerged applications
- Not for use as a wear surface
- Crack isolation properties are not applicable when using NXT Level Plus over STRATA_MAT or STRATA_HEAT Mat
- Maximum allowable deflection for cement self-levelling underlayment over wood floors is L/360 per ASTM F2873
- Cracks are common and expected with unstable substrates (ie. Plywood/OBS). Cracks are not considered a product defect. LATICRETE cannot predict if or to what extent cracking will occur

Cautions

Before using any LATICRETE product:

- Check ma.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 Safety Data Sheet for more safety information
- 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
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas
- Keep out of reach of children

TECHNICAL DATA

Performance Properties

Test	Test Method
Pour Depth	3mm – 10mm. Consult Technical Services for Depths Over 10mm. Can be tapered to zero at edges
Walkable	3 hours at 21°C
Tensile Strength (28 days) ASTM C1583	270 – 390psi (1.9 – 2.1MPa)
Flexural Strength ASTM C1708	840 – 1100psi (5.2 – 6.9MPa)
Compressive Strength ASTM C1708	1 day – 2500psi (20.7MPa) 7 day – 3500 (24.1MPa) 28 day – 5300psi (36.5MPa)
Set Time ASTM C1708	Initial @ 20 – 30min Final @ 35 – 40min
Installed Dry Weight (per ft ² @ 6mm)	1.2kg/ft ²

* All results are averages

* Tested at 21°C and 50% RH

INSTALLATION

Surface Preparation

- Refer to TDS 230 substrate preparation and primer guide for LATICRETE self-levelling products for more detailed surface preparation
- NXT Level Plus does not need lath when applied over Plywood/OBS substrates

Installation over Wooden Sub-floors

Verify that the wood substrate is APA-rated Type 1, exterior exposure plywood or an OSB equivalent. Must be stable and structurally sound enough to support total anticipated live, dead and impact loads. Maximum allowable deflection for cement self-levelling underlayment over wood floors is L/360 per ASTM F2873

- Ceramic tile is L/360
- Natural stone is L480

Some floor covering products will need a more stringent deflection. Consult with floor covering manufacturer for their requirements.

Wood substrate must be clean and free of any contaminants. Substrate can be sanded, if necessary, then swept, vacuumed, and properly primed. ○ lath is required with NXT Level Plus

Priming

- See TDS 230 substrate preparation and primer guide for LATICRETE self-levelling product for more detailed dilution, approximate coverage and application instruction. Use 282 Mortar Admix, Prime-N-Bond, Admix & Primer or general epoxy primer (with sand broadcast)
- Primer is not required when using NXT Level Plus over STRATA_MAT or STRATA_HEAT Mat

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

Mixing

NXT Level Plus should be mixed with 5.5 – 6.0L of water per 25kg bag. Do not over water. For manual application, add product to water and mix for 2 – 3 min with heavy duty drill (650rpm) to obtain a lump free mix. NXT Level Plus 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. See TDS 235 – Self-Levelling Underlayment Flow Test for more detailed instructions on performing flow tests. The ideal flow range for NXT Level Plus is 10" to 12" when using a large flow ring of 5" to 6" using small flow ring

Application

Substrate temperature must be between 4°C – 32°C during application and air temperature maintained between 10°C – 32°C. Protect areas from direct sunlight. Do not use damp curing methods, curing compounds or sealers. If required to meet level tolerances, survey surface using a digital or electronic levelling device and apply level pegs as required.

Adequate ventilation should be provided to ensure uniform drying. 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 NXT Level Plus 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

- Immediately before installation of flooring, as recommended by flooring and adhesive manufacturer and in accordance ASTM F2873 – Installation of Self-levelling Underlayment & Preparation of Surface to Receive Resilient Flooring, the self-levelling surface may require preparation including cleaned of all loose material by scraping, sanding, vacuuming, and primer application or a combination thereof
- Conduct surface review including porosity tests, surface temperature, bond testing (Mat Bond Test), and other surface evaluation as required by flooring and adhesive manufacturer and in accordance with National Floor Covering Association (NFCA) Floor Covering Reference Manual. Also identify and report any concerns for delaminated or loose areas, surface profile

and surface flatness to project manager/General Contractor for additional surface prep, correction, adjustment before starting installation of floor covering materials

- Always test performance, suitability and compatibility of finished floor systems prior to their application. Conduct bond testing in accordance with flooring and adhesive manufacturer and ASTM F3311 – Mat Bond Evaluation of Performance and Compatibility for Resilient Flooring
- In good drying conditions (ambient air temperature 18°C – 24°C/40 – 60% RH) finished floor covering may be installed 12 hours after installation of NXT Level Plus
- Non-moisture sensitive tile and stone can be applied once self-levelling underlayment is walkable, approximately 2 – 3 hours
- Lower temperatures, higher RH, poor ventilation, and thicker self-levelling application will extend self-leveller dry time
- NXT self-levelling products are not a vapour barrier and will allow passage of moisture vapour. Prior to installing NXT self-levelling products, the concrete must be tested for moisture conditions. If the concrete moisture conditions exceed the floor covering manufacturer's requirements for the finished flooring a moisture mitigation epoxy must be applied before installing NXT self-levelling. Use Moisture Vapor Barrier (MVB) or Vapor Ban Primer ER prior to installing NXT self-levelling products
- Steel-wheeled traffic is not recommended as it can cause damage to the surface. Important when installing floor finishes such as VCT, LVT or sheet vinyl. Which require extremely flat surfaces

AVAILABILITY AND COST

Availability

LATICRETE materials are available worldwide

For distributor information, call:

Telephone: +603 7989 9188

Fax: +603 7972 033

For online distributor information, visit LATICRETE at <https://ma.laticrete.com>

Cost

Contact a LATICRETE distributor in your area

WARRANTY

LATICRETE (Malaysia) Sdn Bhd warrants that NXT Level Plus is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subjected to terms and conditions stated

MAINTENANCE

LATICRETE grouts require routine cleaning with a neutral pH detergent and water. All stone and tiles should be maintained and sealed with STONETECH® products as appropriate for the specific tile / stone and installation situation
All other LATICRETE materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers

TECHNICAL SERVICE/CONTACT

Technical Assistance

Information is available by calling:

LATICRETE (Malaysia) Sdn Bhd
#18-08, Faber Tower 2, Jalan Desa Bahagia,
Taman Desa, 58100 Kuala Lumpur,
Malaysia
Telephone: +603 7989 9188
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Email: enquiry@laticrete.com.my

Technical and safety literature

To acquire technical and safety literature, please visit our website at <https://ma.laticrete.com>