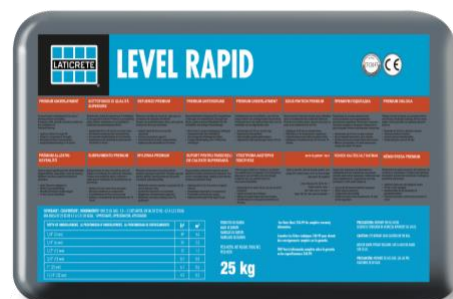




Globally Proven
Construction Solutions

LEVEL RAPID

LEVEL RAPID is a high quality, cement-based, free-flowing underlayment for use in leveling interior substrates. Rapid setting formula produces a flat, smooth and hard surface for the installation of finished flooring. LEVEL RAPID can be placed from 1–10 mm.



FEATURES/BENEFITS

- One component
- High mechanical resistance
- Fast Setting
- High adhesion to base
- Non-shrink

USES

- Interior Only
- For levelling concrete and screeds indoors with thicknesses ranging from 1 to 10 mm
- For self-levelling on old ceramic, marble or natural stone tiled flooring
- For self-levelling on heated floors

MANUFACTURER

LATICRETE EUROPE S.R.L .

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STANDARDS/CERTIFICATIONS



This product has a cradle-to-gate (with options) Product-Specific (Type III) Environmental Product Declaration. The PCR review, life cycle assessment and declaration were independently verified by UL Environment in accordance with ISO 14025, ISO 14040 and ISO 14044.



This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program For Chemical Emissions For Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

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.

Packaging

25 kg bag/48 bags per pallet

Approximate Coverage

25 kg bag

Nominal Thickness	Approximate Coverage
1/8" (3 mm)	49 ft ² (4.6 m ²)
1/4" (6 mm)	24 ft ² (2.3 m ²)
1/2" (12 mm)	12 ft ² (1.1 m ²)
3/4" (18 mm)	8.1 ft ² (0.8 m ²)
1" (25 mm)	6.1 ft ² (0.6 m ²)
1-1/4" (32 mm)	4.9 ft ² (0.5 m ²)

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

- Do not install LEVEL RAPID over particleboard, chipboard, hardboard (Masonite®), Luan panels, interior glue plywood, asbestos, gypsum-based patching materials, 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 LEVEL RAPID 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 RAPID.
- Not for use in submerged applications.
- Not for use as a wear surface.

Cautions

Before using any product:

- Read and understand the Product Data Sheet and Material Safety Data Sheet
- Check www.laticrete.eu for any technical bulletins or updated information about the product and its application.
- Contact your local Technical Sales Representative with any questions.
- Consult MSDS 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 a respirator in dusty areas.
- Keep out of reach of children

TECHNICAL DATA

Technical and application specifications	
Hazard classification as per Directive 99/45/EC:	irritant
Mixing water:	24-25% (weight) - i.e. approx. 6 l per 25 kg bag
Specific weight of mixture:	1.90 g/cm ³
Mixture pH:	over 11
Setting time:	60-110 minutes
Application temperature:	from +5°C to +35°C
Waiting time before application of covering materials (thickness: 3cm):	12 hours for ceramics 48 hours for wood
Pot Life:	approx. 20-30 minutes
Walk-over time	3-4 hours
FINAL PERFORMANCE SPECIFICATIONS	
Compression resistance after 28 days:	≥ 30 N/mm ²
Bending resistance after 28 days:	≥ 7 N/mm ²
Resistenza agli Acid resistance:	poor
Resistance to damp, solvent, oil, alkalis, ageing:	excellent
Temperature resistance	from -30°C to +90°C
Harmonized custom code::	38245090

Tested at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

Specifications are subject to change without notification. Technical data shown in 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.

INSTALLATION

Surface Preparation

- Refer to TDS 230D Substrate Preparation and Primer Guide for more detailed surface preparation instructions.
- 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.

- Inspect for contraction joints, construction joints and cracks in the substrate which may be subject to movement after installation of a self-leveling underlayment. These must be maintained as joints through the self-leveling underlayment.
- For exterior glue plywood substrates use 3.2# galvanized diamond metal lath or Decoupling Mat.
- Maintain substrate temperature is between 4–32°C and air temperature between 10–32°C during installation and throughout drying. Provide adequate ventilation to ensure uniform drying.
- All concrete surfaces must meet a minimum of ICRI CSP Profile of 3.

Priming

Use LEVEL Primer with every application of self-leveling underlayments. See DS 076.0 and TDS 230D Substrate Preparation and Primer Guide for more detailed dilution, approximate coverage and application instructions.

Mixing

LEVEL RAPID should be mixed with 3.8–4.3 L of water per 25 kg bag. Do not over water. For manual application, add powder to water and mix for 2–3 min with a heavy duty drill (650 rpm) to obtain a lump free mix for multiple bag mixes increase mixing time as needed. LEVEL RAPID can also be used in most pump equipment. Please consult with a 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 RAPID is 280–300 mm using a Flow Test Kit. See TDS 235D – Flow Test Method - for more detailed instructions on performing flow tests.

Application

Substrate temperature should 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. Pour the mix onto the substrates and help it to spread with a smooth trowel. For application to large areas, we recommend you use a pump to facilitate even distribution; a light surface finish can be obtained using a screed bar to guarantee overall flatness. Ease out air bubbles with an appropriate bubble roller.

LEVEL RAPID must be protected from frost for at least 24 hours after the application. The second coat must be applied as soon as the first is treadable (3-4 hours). 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 12 hours for ceramics and 48 hours for wood after application, subject to thickness, drying conditions and type of flooring materials. Non-Water sensitive tile and stone can be applied once self-leveling underlayment is walkable, approximately 1 - 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® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l. Telephone +39 059557680. For on-line distributor information, visit www.laticrete.com

Cost

Contact a LATICRETE® closer distributor to obtain complete information and cost.

WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Support for further information.

MAINTENANCE

LATICRETE® products are of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

TECHNICAL SERVICES

Technical assistance

For information contact: +39 059557680
info@laticreteurope.com

Technical and safety literature

To obtain technical and safety literature, please visit our website at www.laticrete.com

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.