



LEVEL

LEVEL is a cement-based self-levelling underlayment designed for use over various substrates and can be placed from 1-12 mm in a single lift.

**Globally Proven
Construction Solutions**



FEATURES/BENEFITS

- Fast setting – foot traffic after approximately 4 hours
- Suitable for heated screeds
- Polymer fortified – superior compressive strength formulation
- Long heal times for extended workability
- Low VOC emissions – safe to use indoors
- Easy to use and install – eliminates the need for sanding and trowelling
- Pumpable
- Suitable surface for most finished floor goods
- Conforms to EN 13813 CT-C25-F4 A1 fl

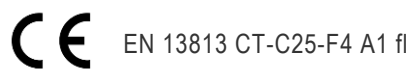
MANUFACTURER

LATICRETE EUROPE S.r.l.
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USES

- Can be placed from 1 to 30 mm in a single lift
- For interior and exterior use
- For residential and commercial use
- To provide a smooth, flat, absorbent, and high strength surface for the installation of floor finishes, such as resilient flooring and tile
- Compatible with most adhesives

STANDARDS/CERTIFICATIONS



Quality Standards
ISO 9001:2008 Quality Management System

VOC/LEED Product Information



GEV EMICODE EC1 Plus



ÉMISSIONS DANS L'AIR INTÉRIEUR

* Informations sur le niveau d'émission de substances volatiles dans l'air intérieur, pourcentage de composés organiques volatils (COV) par rapport à la surface de la pièce, par rapport à la norme EN 15783:2010. Le niveau d'émission est classé de A+ à C. Pour plus d'informations, voir le site www.aia.org

Suitable Substrates

- Concrete*
- Cement Mortar Beds & Screeds*
- Cement Terrazzo**
- Ceramic Tile and Stone**

*after applying PRIMER PLUS or PRIMER SUPERIOR

**after applying PRIMER SUPERIOR

Packaging

25 kg per bag; 48 bags per pallet.

Consumption

1.65 kg/m² per 1 mm thickness

Shelf Life

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

Limitations

- 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.
- For interior use only.
- Before installing finishes, the levelling compound must be completely dry. Moisture may be measured and evaluated using a carbide hygrometer or similar equipment.
- DO NOT install when surface and ambient temperature is below +5°C during and for the first week after application.
- Provide adequate ventilation and protect areas from direct sunlight to ensure uniform drying. DO NOT use air dehumidifiers during the initial 3 days after application.
- There is a risk of cracking through rapid water loss in heated rooms or highly absorbent substrates.
- The success of levelling install is highly dependent on the substrate conditions. It is recommended to thoroughly prepare, clean, and prime the substrate, especially for absorbent substrates (use appropriate primer such as PRIMER PLUS or PRIMER SUPERIOR).
- DO NOT apply over anything that can inhibit bonding. Remove any loose particles by vacuuming and damp sponging. Remove old waterproofing or adhesives mechanically and treat with PRIMER EP 200 with quartz sand (0.5-1.0 mm grain size); remove excess sand by vacuum once dry.
- DO NOT exceed recommended mixing ratio as indicated in mixing instructions. Over watering will weaken product properties, and may result in cracking and hollow voids. In the case this happens, the affected areas should be mechanically removed.
- Existing construction and expansion joints should be maintained. Refer to specific finished flooring industry requirements or standards for treatment of movement

joints and cracks in the sub-floor.

- Rough and porous substrates may consume more material.
- Lower temperatures, higher RH, poor ventilation, and thicker self-leveling application will extend self-leveler dry time. Higher temperatures will reduce dry time.
- Use clean water and tools.

Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes.

Cautions

Consult SDS for more safety information.

- Contains sand and cement. Avoid contact with eyes and/or prolonged exposure with skin. In case of contact with eyes and skin, wash abundantly with water.
- Keep out of reach of children.

TECHNICAL DATA

Physical & Performance Properties (23°C / 50% RH)

Mixing Ratio	5,25–5,75 of water per 25 kg bag
Density	1.8 kg/L
Pot Life	~ 30 min
Time to Light Foot Traffic	~4 hours
Time to Install Finish	> 24 hours

	24 hours	7 days	28 days
Compressive Strength (MPa)	3	16	25
Flexural Strength (MPa)	1	3	4
Temperature Resistance	- 30°C + 90°C		

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.

INSTALLATION

Surface Preparation

All substrates must be structurally sound, clean and free of dirt, oil, grease, paint, laitance, efflorescence, concrete sealers or curing compounds. Remove any loose particles by vacuuming and damp sponging. Remove old waterproofing or adhesives mechanically.

All substrates must be adequately dried and cured. Before applying leveler product, it is recommended to measure the moisture using the carbide method; the carbide hygrometer (CM device) may not exceed:

- 2.0 CM% for cement-based screeds
- 0.5 CM% for calcium sulfate screeds without underfloor heating
- 0.3 CM%. for calcium sulfate screeds with underfloor heating

If needed, use appropriate primer such as PRIMER PLUS or PRIMER EP 200. Refer to **Limitations** section for details.

Mixing & Preparation

Pour 5.25 – 5.75 liters of clean water into a clean mixing container. Add 50 kg of LEVEL MAXI and mix with a drill or power mixer with a spiral whisk (500-700 rpm) to obtain a smooth, fluid lump free consistency. During mixing, use a trowel to scrape excess materials from the walls of the container, to ensure the material is mixed thoroughly.

After a mixing, let the material slake for 3-4 minutes and allow the enclosed air to escape. Then remix briefly, ideally by hand.

Application

Surface and ambient temperature should be between 5°C and 35°C during application. Adequate ventilation should be provided to ensure uniform drying.

Pump or pour blended material onto substrate at an average thickness ranging between 1 and 30 mm. Immediately following placement lightly and evenly smooth the surface and pour lines using a smooth spatula or roller.

After application, protect areas from direct sunlight during drying and curing. Note that if the applied product dries too fast, it can cause cracking or detachment from substrates.

Cleaning

Clean tools with water while mortar is fresh.

Installing Finishes

Always refer to finished floor manufacturer's recommendations regarding installation instructions, surface prep, 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 to be representative of entire surface and tested for intended use.

Table below shows approximate relative humidity (RH) levels based on finishes to be installed:

Finish	RH %	Approximate Waiting Time
Ceramic Tile	< 4	24 h
Natural Stone	< 3	< 6 mm 24 h > 6 mm 48 h
Resins & Resilient Flooring	< 2	< 6 mm 24 h > 6 mm 72 h

Lower temperatures, higher RH, poor ventilation, and thicker self-leveling application will extend self-leveler dry time.

AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l.:

+39 059557680

info@laticreteurope.com

For online distributor information, www.laticrete.eu.

Cost

Contact LATICRETE EUROPE S.r.l 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 Services for further information.

See 10. FILING SYSTEM on www.laticrete.eu:

- DS 230.13: 1 Year Product Warranty

MAINTENANCE

LATICRETE® and LATAPOXY® are products 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 SERVICE

Technical Assistance

For information contact:

+39 059557680

technicalservices@laticreteurope.com

Technical and Safety Literature

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

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should 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.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product data sheets, documentation, or applicable technical documentation.