



# LEVEL PLUS FIBER

DS-762-0821

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

LEVEL PLUS FIBER

## 2. MANUFACTURER

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## 3. PRODUCT DESCRIPTION

LEVEL PLUS FIBER is a premium easy-to-use, cement-based self-levelling underlayment designed for use over various substrates including concrete and ceramic tile. Due to its fibre reinforcement, it is also suitable for use over plywood and wood panel substrates.

LEVEL PLUS FIBER can be placed from 1 to 50 mm thick in a single lift, resulting in a high strength, smooth and flat surface for the installation of floor finishes.

### Uses

- For interior use only
- Residential and commercial applications
- Provides a smooth and flat surface for the installation of floor finishes
- Can be applied in layers 1 to 50 mm thick
- Suitable over plywood and wood panels
- Suitable for use with heated screeds
- Good for use over existing substrates with cement-based adhesive or leveling residue

- Ideal for levelling prior to the installation of large format tiles

### Advantages

- Fibre reinforced
- Fast setting — foot traffic after approximately 4 hours
- Flexible and polymer fortified
- Low VOC emissions — safe to use indoors
- Easy to use and install — also pumpable

### Suitable Substrates

- Concrete
- Cement Mortar Beds and Screeds
- Exterior Glue Plywood
- Cement Terrazzo
- Ceramic Tile and Stone

### Packaging

20 kg bag; 56 bags per pallet

### Approximate Coverage / Consumption

1.65 kg/m<sup>2</sup> per 1mm thickness

### 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.

### Limitations

- 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 +4°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.
- Wood subfloors must be permanently and completely dry to prevent moisture damage from decay or mould formation.
- 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 such as concrete, cement screeds, or plywood (use appropriate primer such as PRIMER PLUS or PRIMER SUPERIOR).
- Non-absorbent substrates such as tile, stone or terrazzo flooring must be treated with PRIMER SUPERIOR before application.
- 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.
- 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.

*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.

#### 4. TECHNICAL DATA



#### Applicable Standard

- EN 13813 CT C30 F7 E fl
- ISO 9001:2015 Quality Management System

#### Physical Properties

Classification according to EN 13813:	CT C30 F7	
Reaction to Fire according to EN 13501-1:	E <sub>fl</sub>	
Basis:	Cement, aggregates, fibres & additives	
Colour:	Grey	
Apparent Density:	1300 kg/m <sup>3</sup>	
Maximum Grain Size:	0,5 mm	
Density at 28 days:	~ 1800 kg/m <sup>3</sup>	
	<b>Value</b>	<b>Test Method</b>
Compressive Strength (24 hours):	~ 14 N/mm <sup>2</sup>	EN 13892-2
Compressive Strength (7 days):	~ 28 N/mm <sup>2</sup>	EN 13892-2
Compressive Strength (28 days):	~ 35 N/mm <sup>2</sup>	EN 13892-2
Flexural Strength (24 hours):	~ 3 N/mm <sup>2</sup>	EN 13892-2
Flexural Strength (7 days):	~ 7 N/mm <sup>2</sup>	EN 13892-2
Flexural Strength (28 days):	~ 7 N/mm <sup>2</sup>	EN 13892-2
Tensile Adhesion to Concrete:	~ 1,5 N/mm <sup>2</sup>	EN 13892-8
Shrinkage:	~ 0,3 mm/m	EN 13454-2
Thermal Conductivity λ:	1,35 W/mK	EN 12664
Temperature Resistance:	From -30°C to +90°C	

#### Working Properties

Consistency:	Fluid
Wet Density:	1900 kg/m <sup>3</sup>
Mixing Ratio:	4,4 - 4,8 L of water per 20 kg bag
Application Temperature:	From +5°C to +35°C
Working Time:	~45 minutes
Minimum Thickness:	1 mm
Maximum Thickness:	50 mm
Time to Foot Traffic:	~4 hours
Time to Tile Install:	>24 hours*
Time to Marble/Stone Install:	>2 days**
Time to Installation of Wood & Resilient Materials:	>3 days***
Final Hardening:	7 days

(at 23°C / 50% RH)

\*subject to residual moisture check <6%

\*\*subject to residual moisture check <3%

\*\*\*subject to residual moisture check <2%

#### VOC/LEED Product Information

- GEV EMICODE: EC1 Plus
- ÉMISSIONS DANS L'AIR INTÉRIEUR: A+

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.

## 5. 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.

If applying leveler product over wood subfloors, ensure wood subfloors are clean, dry, and structurally sound; repair and secure any damaged boards.

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.

Use appropriate primer such as PRIMER PLUS or PRIMER SUPERIOR. Refer to *Limitations* section for details.

### Mixing & Preparation

Pour 4.4-4.8 liters of clean water into a clean mixing container. Add 20 kg of LEVEL PLUS FIBER 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 50 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	Relative Humidity (RH)	Approximate Wait Time
Ceramic Tile	< 6%	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.

## 6. AVAILABILITY AND COST

### Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Europe S.r.l. a socio unico:

+39 059 535540

[info@laticreteeuropa.com](mailto:info@laticreteeuropa.com)

For on-line distributor information, visit [www.laticrete.eu](http://www.laticrete.eu).

### Cost

Contact LATICRETE Europe S.r.l. a socio unico to obtain complete information and cost.

## 7. 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:

- DS 230.13EU: 1 Year Product Warranty
- DS 230.10EU: 10 Year System Warranty

## 8. 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.

## 9. TECHNICAL SERVICES

### Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:

+39 059 535540

### **Technical and Safety Literature**

To obtain technical and safety literature, please visit our website at [www.laticrete.eu](http://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.

## **10. FILING SYSTEM**

Additional product information is available on our website at [laticrete.eu](http://laticrete.eu). The following is a list of related documents:

- DS 230.13EU: 1 Year Product Warranty
- DS 230.10EU: 10 Year System Warranty
- DS 771: PRIMER SUPERIOR Product Data Sheet
- DS 770: PRIMER PLUS Product Data Sheet