



Globally Proven
Construction Solutions

LATAFLOAT 250 MORTAR

LATAFLOAT is a special system of fiber-reinforced cement powder, polymeric liquid additive and three-dimensional nylon mesh. LATAFLOAT allows to make 1 cm thickness floating screed instead of traditional 4-5 cm thickness floating screeds. LATAFLOAT is referred to as substrate highly durable and flexible for the installation of ceramic and stone; it is classified CT-C35-F6 under the European rule EN13813.



FIELDS OF APPLICATION

- Substrates for ceramic floors on ships, yachts and boats

MAIN FEATURES

- Light weight equal to one-third of a traditional cement based screeds
- Packs very light: only 12,5 kg bag
- Great workability
- Low elastic modulus
- Safe and simple to apply
- Fireproof

MANUFACTURER

LATICRETE EUROPE S.R.L.

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Suitable Substrates

- Old And New Concrete Slabs
- Impaired Screeds And Leveling
- Wood And Parquet
- Heated Floors
- Tiles And Stone

Packaging & Coverage Information

250 MORTAR: 25 kg bag

282 LATEX ADDITIVE: 20 liter pail

Mesh: 45 x 1 mt roll

Approximate Coverage

15 kg/m² of product per 1 cm of thickness. The consumption is about 1.7 m² for a 25 kg bag.

Shelf Life

- 250 MORTAR: Factory sealed containers of this product are guaranteed to be the first quality for one (1) year* if stored off the ground in a dry area.
- 282 LATEX ADDITIVE: Factory sealed containers of this product are guaranteed to be the first quality for two (2) years* if stored off the ground in a dry area.

* High humidity will reduce the shelf life of bagged product.

Limitations

- Use LATAFLOAT only on applications mentioned in paragraph 3.
- **Note:** Surfaces must be structurally sound, stable and rigid enough to support impact loads expected during the installation
- DO NOT mix 250 MORTAR with other binders
- DO NOT apply LATAFLOAT under direct sunlight during summer and DO NOT bond over heated surfaces
- During cold weather , protect finished work from traffic until fully cured

Caution

- 250 MORTAR is classified irritant according to Directive 99/45/CE, nothing for 282 LATEX.
- 250 MORTAR contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. Wear gloves and goggles during mixing and application of the product. In case of contact, flush thoroughly with water.
- Keep out of reach of children.

Consult MSDS for more safety information.

TECHNICAL SPECIFICATIONS

AT 23°C AND 50% U.R.

Applicable Standard

Class CT-C35-F6 Conforms to European standard EN13813

Appearance:	powder
Color:	grey
Water to add:	16-17%
Mixing time:	3 min
Working time:	30-45 min
Mixture PH :	≥ 12
Thickness per coat:	1 to 5 cm
Density of mixed product:	600+-10% (kg/m ³)
Foot traffic:	6-8 hours
Application temperature:	+5°C to +30°C

PERFORMANCE		
Standard	Test	Results
EN13813	Compressive strength EN13892-2	≥35 MPa
EN13813	Flexural EN13892-2	≥6 MPa

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.

APPLICATION

Surface Preparation

Surfaces must be stable and compact, clean, free of oils, greases, paints, etc. If substrates comeback with moisture, interpose a proper vapor barrier. Unevenness shall be filled with suitable two-component LATICRETE mortar Ceramic support or stone must be clean, mechanically strong and perfectly bonded to the substrate.

Expansion joints.

Make backgrounds of 20-25 m" when laying flooring in internal and 16 m" in external and close to large windows. The optimum length/width ratio is 1:1. Make elastic splitting joints every 7-8 linear meters in case of long and narrow surfaces.

Follow the recommendations of ANSI Specification A108.01-3.7 "Requirements for Movement joints: Preparations by Other trades " and details TCA EJ-171 " Movement joints – Vertical & Horizontal " for the positioning and sizing of the joints. Do not cover expansion joints with cement mortar. For more information see the LATICRETE Technical Service.

Mixing

Use a rotating paddle drum mixer. Mix about 4.2 liters of 282 LATEX ADDITIVE with a 25 kg bag of 250 MORTAR. Gradually add the powder to latex of mixture. Mix for at least 3 minutes from the introduction of the last bag and remove eventually free powder. Mix for more 2 minutes ensuring that the final mixture is homogeneous and soft. Eventually powder or latex and go ahead with the mixing to obtain the correct consistency.

Application

Prior to placing screed, apply a strip of compressible foam spacer around the perimeter of the room and against all restraining surfaces. Apply the roll with the nylon facing upwards, superimpose the bands of tissue so as to achieve a continuous support. In case of parquet and resin floors is necessary to install the screed anchor to the support. Use LATICRETE cement or epoxy adhesive. Spread the mixed fresh mortar over the roll, fit it and smooth it to perfectly to cover the mesh: the result will be 1 cm thickness screed. However it is possible to make a 5 cm screed in one time.

Smooth the surface in order to obtain a uniform appearance and free of imperfections

Tile Installation

Install on LATAFLOAT with all types of ceramics and stone after about 2-3 days from the laying of the substrate to 23° C and 50% U.R. Parquet and resin floors must be done after 5-6 days from the laying of the screed. Use mono-component and bi-component LATICRETE cement adhesive.

Laying in cold weather

The cure and the hydration of cement Portland base products is delayed at low temperatures. Protect finished work for a longer period of normal low temperature conditions. Do not use the products when the ambient temperature is below *5°C and/or the substrate is at risk of freezing. Store the material at ambient temperature and start to apply in late morning or during warmer hours of the day.

Laying conditions of high temperature

The evaporation of moisture in products with Portland cement is accelerated by conditions of high temperature and low humidity. Apply the product on wet surfaces and protect finished work from the risk of rapid evaporation. In case of high temperature the working time is reduced so it is recommended to speed the application without interruptions.

Cleaning

Clean tools and tile work with water and soap before product sets.

Availability

LATICRETE AND LATAPOXY materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l. Telephone +39 059 557680.

For on-line distributor information, visit www.laticrete.eu

Cost

Contact a LATICRETE and LATAPOXY 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 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: +39 059 557680

info@laticreteeurope.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 unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from theirs 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.

AVAILABILITY AND COST