



LATAFLOAT 250 MORTAR

DS-2501-0721

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

LATAFLOAT 250 MORTAR

2. MANUFACTURER

LATICRETE Europe S.r.l. a socio unico

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Castelnuovo Rangone MO, Italy

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3. PRODUCT DESCRIPTION

LATAFLOAT 250 MORTAR is designed to be used with 3701 MORTAR ADMIX and LATAFLOAT MAT to create the LATAFLOAT system.

The LATAFLOAT system is an innovative floating cement screed floor system comprised of a fibre reinforced cement-based mortar, a polymer fortified liquid additive and a synthetic fabric mesh; it is a highly durable, flexible, thin system for installation of tile, stone, and other finishes.

Due to its chemistry makeup and reinforcement, the system allows for floating screeds with a thickness as little as 1 cm, instead of 4-5 cm required for traditional cement screeds. Since LATAFLOAT allows for installation of new floors without removal of existing flooring, it is ideal for renovations or projects with little down-time, such as shopping centres, grocery stores, and other retail.

Uses

- For interior and exterior use
- As a floating screed with a minimum thickness of 1 cm
- Can be installed over existing flooring
- Can be installed over cracked, deteriorated or contaminated stones
- Can be installed over heated substrates
- Ideal for renovations or projects with little down-time

Advantages

- Cost effective and economical mortar option
- Reduced mortar consumption and weight — about 5 times thinner than conventional cementitious screeds
- Great workability, easy to install using a reinforced system
- Can be installed on virtually any substrate — allows for installation of new floors without removal of existing flooring
- Fibre and latex reinforced — durable, and flexible
- All system components are pre-measured as a ready-to-use kit
- Can be walked on after 6 - 8 hours

Suitable Substrates

- Concrete
- Cement Mortar/Render
- Ceramic Tile
- Natural Stone
- Wood
- Vinyl Tile
- Vinyl Flooring
- Radiant Heated Floors

Packaging

- LATAFLOAT 250 MORTAR: Grey - 25 kg per bag; 56 bags per pallet
- LATAFLOAT MAT: Grey - 45 m² roll
- 3701 MORTAR ADMIX: White - 20 kg per pail; 36 pails per pallet

Approximate Coverage / Consumption

LATAFLOAT 250 MORTAR:

- ~15 kg/m² of product per 1 cm of thickness
- ~1.7 m² per 25 kg bag

3701 MORTAR ADMIX

- ~2.4 kg/m² of product per 1 cm of thickness

Note: Values are approximate and will vary based on surface condition, preparation methods and application technique.

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

- *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.
- DO NOT bond over heated surfaces.
- During cold weather, protect finished work from traffic until fully cured.

Cautions

Consult MSDS for more safety information.

- LATAFLOAT 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.

4. TECHNICAL DATA



Applicable Standard

- EN 13813 CT-C20-F6
- ISO 9001:2015 Quality Management System

Physical Properties

Classification EN 13813:	CT C20-F6	
Reaction to Fire EN 13501-1:	F	
Basis:	Cement, aggregates, additives	
Colour:	Grey	
Apparent Density:	1400 kg/m ³	
Maximum Grain Size:	1,0 mm	
	Value	Test Method
Compressive Strength (7 days):	12	EN 13892-2
Compressive Strength (28 days):	22	EN 13892-2
Flexural Strength (28 days):	6	EN 13892-2
Temperature Resistance:	From -30°C to +90°C	

Working Properties

Consistency:	Thixotropic mortar
Wet Density:	1630 kg/m ³
Mix Ratio:	4,0 L latex per 25 kg bag
Application Temperature:	From +5°C to +35°C
Working Time:	30 - 45 minutes
Minimum Thickness:	1 cm
Maximum Thickness:	5 cm
Time to Foot Traffic:	6 - 8 hours
Time to Tile Install:	2 - 3 days*
Time to Marble/Stone Install:	7 days**
Time to Install of Wood & Resilient Materials:	7 days***
Final Hardening:	28 days

*subject to residual moisture check <6%

**subject to residual moisture check <3%

***subject to residual moisture check <2%

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, stable and compact, clean and free of dirt, oil, grease, paint, laitance, efflorescence, concrete sealers or curing compounds. Use an appropriate vapour barrier if moisture is an issue.

Make rough or uneven concrete smooth to a wood float or better finish with a LATICRETE mortar. Fill any cracks or depressions with LATAFLOAT 250 MORTAR. Do not level with gypsum- or asphalt-based products.

Existing tile or stone must be clean, structurally sound and stable, and properly bonded to the substrate.

Expansion & Movement Joints

Follow local requirements for expansion and movement joints, such as UNI 11493-1:2016, ANSI specification A108.01-3.7 "Requirements for Movement Joints: Preparations by Other Trades" or TCNA detail EJ-171 "Movement Joints—Vertical & Horizontal".

Mixing

Use 16 kg of 3701 MORTAR ADMIX per 100 kg of LATAFLOAT 250 MORTAR. Pour latex admixture into clean container and mix with a rotating paddle drum mixer, gradually adding the remaining powder while mixing. Once all powder has been added, mix for an additional 3-5 minutes. Scrape sides to ensure any loose powder is captured, mix for an additional 2 minutes until a smooth, homogeneous mixture is obtained. Mortar should be semi-fluid and malleable.

Application

Prior to placing mortar, apply a spacer / spacing strip of compressible foam around the perimeter of the room and against all restraining surfaces. Roll out and position the LATAFLOAT MAT with the nylon facing upwards and keep the mat away from perimeter walls by 1 cm. Secure the LATAFLOAT MAT with screws, nails, or LATICRETE cement or epoxy adhesive. *For parquet and resinous flooring, install the screed anchor to the substrate. Use LATICRETE cement or epoxy adhesive.*

Pour the mixed fresh mortar over the LATAFLOAT MAT, spreading and ensuring full coverage, then level and smooth. Screed thickness can range from 1 cm to 5 cm.

Tile & Stone Finish Installation

After application, wait approximately 2-3 days before installing tile and approximately 7 days before installing stone (at 23° C and 50% R.H.). Use LATICRETE cement tile adhesive for installation.

Parquet & Resinous Finish Installation

Wait approximately 7 days after application before installing parquet, resinous, and other moisture-sensitive finishes (at 23° C and 50% R.H.).

Note: the above wait times are approximate. Consult finished floor manufacturer and/or adhesive manufacturer for recommendations.

Cold Weather Note: *The setting of Portland cement mortars and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather. Do not set tile*

when surface temperature is below freezing or when substrate is frozen.

Hot Weather Note: *The evaporation of moisture in Portland cement mortars is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread mortar and finished work when installing in hot temperatures.*

Cleaning

Clean tools and tile work with water while mortar and mixture is fresh.

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@laticreteurope.com

For on-line distributor information, visit 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

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

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.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.eu. The following is a list of related documents:

- DS 230.13EU: 1 Year Product Warranty
- DS 2310: 3701 MORTAR ADMIX Data Sheet