



Globally Proven
Construction Solutions

325 FLEX

325 FLEX is a polymer fortified cement-based adhesive designed for rapid and easy installation of ceramic, porcelain, glass tile, and non-moisture sensitive stone.



FEATURES/BENEFITS

- Non-sag — great for vertical applications
- Low VOC emissions — better indoor air quality
- Excellent workability — easy to use
- Thixotropic
- Long open time
- Available in white or grey
- Meets requirements of EN12004, C2 TE

USES

- For interior and exterior
- For walls or floors
- For ceramic, porcelain, glass, and non-moisture sensitive stone/marble
- For thin-bed applications, thickness up to 10 mm
- Suitable for use with heated screeds

MANUFACTURER

LATICRETE EUROPE S.r.l.
Via Paletti, 1, 41051
Castelnuovo Rangone MO, Italy
+39 059557680
info@laticreteurope.com

STANDARDS/CERTIFICATIONS



Quality Standards
ISO 9001:2008 Quality Management System

VOC/LEED Product Information



ÉMISSIONS DANS L'AIR INTÉRIEUR

* Information sur les émissions de COV
Valeurs dans l'air intérieur, conformément au risque de toxicité
des émissions, en fonction de la classe de la norme
EN 15026 (norme européenne) et A+ (classe américaine).

Suitable Substrates

- Concrete
- Concrete Masonry*
- Cement Mortar Beds and Screeds
- Cement Plaster
- Existing Ceramic Tile**
- Standard or waterproof plasterboard*
- Fluid cement-based screeds, standard or heated with water system
- Fluid anhydrite-based screeds, standard or heated with water system*
- Gypsum-based Boards*

+Recommend application of PRIMER PLUS or PRIMER SUPERIOR.

* Interior applications only.

**Interior application only with PRIMER SUPERIOR.

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

Packaging

White

25 kg bag; 1200 kg per pallet.

Grey

25 kg bag; 1200 kg per pallet.

Approximate Consumption & Coverage

3,5 – 6 m²/25 kg

4 – 8 kg/m²

Shelf Life

Factory sealed bags of this product are guaranteed to be of first quality for twelve (12) months if stored in a cool, dry place.

Limitations

- Do not use on concrete constructions that have been built in less than 3 months.
- On gypsum or anhydrite bases, use PRIMER PLUS or PRIMER SUPERIOR beforehand.
- Do not use on surfaces where quick walkability is required.
- Do not use on wooden, metal, rubber, PVC or linoleum surfaces.
- Do not use with moisture sensitive stones in a damp environment.
- Use white version for white or light-coloured marble/stone.
- Do not mix with other cement or adhesives.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not designed as replacements for waterproof membranes. When a waterproof barrier is required, use a LATICRETE® Waterproofing Membrane.

Cautions

Consult SDS for more safety information.

- Some marbles and other natural stone have low flexural strength and may not be suitable for installation over wood floors.

- During cold weather, protect finished work from traffic until fully cured.
- Contains cement. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Keep out of reach of children.

TECHNICAL DATA

Physical & Performance Properties

Classification EN 12004:	C2TE
Basis:	Cement, aggregates, additives
Apparent Density:	1,25 kg/dm ³
Maximum Grain Size:	0,5 mm
Flammability:	No
Initial Adhesion (after 28 days):	> 1,0 N/mm ²
Adhesion after Heat Action:	> 1,0 N/mm ²
Adhesion after Water Immersion:	> 1,0 N/mm ²
Adhesion after Frost-Thaw Cycles:	> 1,0 N/mm ²
Deformability (according to DIN EN 12004):	1,8 mm
Vertical Slip (according to EN1308):	< 0,5 mm
Temperature Resistance:	From -30 °C to +90 °C

Working Properties (23°C / 50% relative humidity)

Wet Density	1,60 kg/dm ³
Pot Life:	3 hours
Open Time:	30 minutes
Maximum Thickness:	10 mm
Time to Foot Traffic:	~ 12 hours
Time to Grouting:	~ 12 hours
Time to Full Service Conditions:	7 days
Time to Final Cure:	28 days

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 surfaces should be between 5°C and +35°C and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds. Gypsum, anhydrite, or particularly absorbent substrates should be treated with a primer such as PRIMER PLUS or PRIMER SUPERIOR. Dry, dusty concrete slabs or masonry should be dampened, and excess water swept off.

Mixing

Use a clean mixing pail with clean, potable water. Do not add other aggregates or hydraulic binders to 325 FLEX. Mixing ratio: about 7,25 litres per 25 kg bag. Mix by hand or with a slow speed mixer to a smooth, trowelable consistence.

Allow to slake for 3-5 minutes. Remix briefly before application, without adding any more water or powder. The adhesive should be used within 3 hours. During use, stir occasionally to keep mix fluffy. Do not temper with water.

Application

Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side, in an even, continuous layer. Use the adhesive within the open time. **If the mixture is hardening, do not attempt to restore workability by adding water.**

Upon completion, protect finished work from rain during the 24 hours following installation. During cold weather, protect finished work for the first 48 hours.

Note: Use the proper sized notched trowel to ensure the adhesive adheres to the tile, covering at least 95%-100% of the back of tile for indoor installations and 100% for outdoors installations or in areas subjects to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, paving/flooring subject to heavy loads, materials with uneven thicknesses), the adhesive must be spread over both the substrate and the back of the tile (back buttering/double spreading method).

Grouting

Grout installation after a minimum of 12 hours curing time at 23°C and 50% relative humidity. Conditions may change the setting and curing time. Grout with SPECTRALOCK® PRO PREMIUM GROUT, PERMACOLOR SELECT, or PERMACOLOR SELECT FINE.

Cleaning

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

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.

Refer to 10. FILING SYSTEM:

- 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 sheets, documentation, or applicable technical documentation.