



325 MAXI

DS-894-0124

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

325 MAXI

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

325 MAXI is a polymer fortified cement-based adhesive designed for rapid and easy installation of ceramic, porcelain, glass tile, and non-moisture sensitive stone. Its unique formula has high resistance to slippage, allowing installation on vertical surfaces from the top down, and can be used for thin-bed or medium bed applications.

Ultra white version contains no quartz sand and is ideal for glass mosaic.

Uses

- For interior and exterior
- For walls or floors
- For thin-bed and medium bed applications, thicknesses up to 15mm
- Installation of ceramic, porcelain, glass mosaics and non-moisture sensitive stone
- Over existing interior floor tiles
- Ideal for heated screeds
- Please refer to the “Adhesive Selection Guide” in the product catalogue for a complete list of applications and maximum permitted sizes

Advantages

- High resistance to slippage — great for vertical applications
- Low VOC emissions — better indoor air quality
- Excellent workability and thixotropic — easy to use, smooth and creamy
- Long open time
- Available in ultra white or grey — ultra white version contains no sand
- Can be mixed with 3701 MORTAR ADMIX for improved performance (EN 12004 C2 TE S1 or S2)

Suitable Substrates

- Concrete
- Concrete Block
- Cement Plaster
- Existing Ceramic Tile and Stone (Interior Only)
- Self-Leveling and Patching Compounds (Interior Only)
- Gypsum Underlayments (Interior Only)
- Gypsum Wallboard (Interior use only, non-wet areas)

Packaging

25 kg per bag; 48 bags per pallet

Approximate Coverage / Consumption

- 3,5 – 6 m² per 25 kg bag
- 4 – 6 kg per m² with 8x10 mm notched trowel
- 7 – 8 kg per m² with 15x20 mm notched trowel

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

- DO NOT use on concrete constructions that have been built in less than 3 months.
- Use PRIMER PLUS or PRIMER SUPERIOR on gypsum or anhydrite bases before tile installation.
- 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.
- NOT for exterior use when used over polymer fortified cementitious or elastomeric waterproofing membranes (i.e. AQUA BARRIER or HYDRO BAN®)
- 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.
- 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.

4. TECHNICAL DATA



VOC/LEED Product Information

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

Applicable Standard

- EN 12004, C2 TE
- EN 12004 C2 TE S1 or S2 when mixed with 3701 MORTAR ADMIX*
- CSTB QB Certificat n. 3029-151 MC 587
- ISO 9001:2015 Quality Management System *Refer to Physical Properties & Working Properties for details.

Physical Properties

Basis:	Cement, aggregates, additives
Color:	Ultra White or Grey
Apparent Density:	~ 1.25 g/cm ³
Maximum Grain Size:	0.5 mm
Flammability:	No
Temperature Resistance:	From -30 °C to +90 °C

325 MAXI mixed with water

Classification EN 12004-1:	C2 TE		
	Value	Requirement	Test Method
Tensile Adhesion Strength:	≥ 1.0 N/ mm ²	≥ 1.0 N/ mm ²	12004-2 8,3
Tensile Adhesion Strength after Water Immersion:	≥ 1.0 N/ mm ²	≥ 1.0 N/ mm ²	12004-2 8,3
Tensile Adhesion Strength after Heat Ageing:	≥ 1.0 N/ mm ²	≥ 1.0 N/ mm ²	12004-2 8,3
Tensile Adhesion Strength after Freeze-Thaw Cycles:	≥ 1.0 N/mm ²	≥ 1.0 N/mm ²	12004-2 8,3
Open Time: Tensile Adhesion Strength after 30 min.:	≥ 0.5 N/mm ²	≥ 0.5 N/mm ²	12004-2 8,1
Slip:	≤ 0.5 mm	≤ 0.5 mm	12004-2 8,2

325 MAXI mixed with diluted 3701 MORTAR ADMIX (1:1 latex : water)

Classification EN 12004-1:	C2 TE S1		
	Value	Requirement	Test Method
Tensile Adhesion Strength:	≥ 1.0 N/ mm ²	≥ 1.0 N/ mm ²	12004-2 8,3
Tensile Adhesion Strength after Water Immersion:	≥ 1.0 N/ mm ²	≥ 1.0 N/ mm ²	12004-2 8,3
Tensile Adhesion Strength after Heat Ageing:	≥ 1.0 N/ mm ²	≥ 1.0 N/ mm ²	12004-2 8,3
Tensile Adhesion Strength after Freeze-Thaw Cycles:	≥ 1.0 N/mm ²	≥ 1.0 N/mm ²	12004-2 8,3
Open Time: Tensile Adhesion Strength after 30 min.:	≥ 0.5 N/mm ²	≥ 0.5 N/mm ²	12004-2 8,1
Transverse Deformation:	≥ 2.5 N/mm ²	≥ 2.5 N/mm ²	12004-2 8,4
Slip:	≤ 0.5 mm	≤ 0.5 mm	12004-2 8,2

See next page for 325 MAXI mixed with concentrated 3701 MORTAR ADMIX.

325 MAXI mixed with concentrated 3701 MORTAR ADMIX

Classification EN 12004-1:	C2 TE S2		
	Value	Requirement	Test Method
Tensile Adhesion Strength:	≥ 1.0 N/ mm ²	≥ 1.0 N/ mm ²	12004-2 8,3
Tensile Adhesion Strength after Water Immersion:	≥ 1.0 N/ mm ²	≥ 1.0 N/ mm ²	12004-2 8,3
Tensile Adhesion Strength after Heat Ageing:	≥ 1.0 N/ mm ²	≥ 1.0 N/ mm ²	12004-2 8,3
Tensile Adhesion Strength after Freeze-Thaw Cycles:	≥ 1.0 N/mm ²	≥ 1.0 N/mm ²	12004-2 8,3
Open Time: Tensile Adhesion Strength after 30 min.:	≥ 0.5 N/mm ²	≥ 0.5 N/mm ²	12004-2 8,1
Transverse Deformation:	≥ 5 N/mm ²	≥ 5 N/mm ²	12004-2 8,4
Slip:	≤ 0.5 mm	≤ 0.5 mm	12004-2 8,2

Working Properties

Consistency:	Creamy
Wet Density:	1.60 kg/dm ³
Mix Ratio for C2 TE:	31% water (7.75 lt water per 25 kg bag)
Mix Ratio for C2 TE S1:	32% diluted latex admix (1:1 with water) 4 lt water + 4 lt latex per 25 kg bag
Mix Ratio for C2 TE S2:	32% latex admix 8 lt latex per 25 kg bag
Application Temperature:	From +5°C to +35°C
Working Time:	3 hours
Open Time:	30 minutes
Maximum Thickness:	15 mm
Time to Foot Traffic:	12 hours
Time to Grouting:	12 hours
Time to Full-Service Conditions:	~ 3 days
Time to Full-Service Conditions:	~ 7 days
Final Hardening:	~ 28 days

(at +23°C, 50% relative humidity)

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 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 MAXI. Mixing ratio: about 7,5-8 litres per 25 kg bag. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency.

Note: for improved performance, mix with concentrated or diluted latex as indicated in the Working Properties section.

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.

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

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:

- 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@laticreteeuropa.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.