



# 325 RAPID

DS-883-1221

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

325 RAPID

## 2. MANUFACTURER

LATICRETE Europe S.r.l. a socio unico

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## 3. PRODUCT DESCRIPTION

325 RAPID is a rapid setting, premium adhesive for thin-bed and medium bed installations. It is highly flexible and ideal for projects with time constraints as it can be ready to grout the same day.

### Uses

- For interior and exterior use, walls and floors
- For thin-bed and medium bed installations of ceramic tile, porcelain tile, and natural stone
- For thicknesses up to 15 mm
- Over HYDRO BAN or AQUA BARRIER waterproofing systems
- Over existing wall and floor tiles
- For projects with time constraints

### Advantages

- Low VOC emissions — better indoor air quality
- Thixotropic, flexible
- Fast setting — ready to grout same day
- Ideal for porcelain tile and moisture sensitive stones

- Conforms to EN 12004 C2F
- When mixed with 3701 MORTAR ADMIX, conforms to EN 12004 C2F S1 or S2 (depending on dilution ratio)

### Suitable Substrates

- Concrete
- Cement Mortar
- Cement Plaster
- Cement Block
- Self-Leveling and Patching Compounds (Interior Only)
- Exterior Glue Plywood (Interior Only)
- Oriented Strand Board (OSB) (Interior Only)
- Existing Ceramic Tile and Stone (Interior Only)
- Gypsum Wallboard (Interior use only, non-wet areas)
- Cement Backer Board (Interior Only)

### Packaging

25 kg bag

### Approximate Coverage / Consumption

- 3 - 6 kg/m<sup>2</sup> with a 8x10 mm notched trowel
- 5 - 7 kg/m<sup>2</sup> with a 10x15 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

- Fluid cement-based screeds and existing tile and stone should be treated with a primer before application.
- DO NOT use directly on wooden substrates, fluid cement-based screeds, or heated screeds, as mortar must be fortified first with latex admix for improved performance prior to application; contact Technical Services for details.
- 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

For more information, consult the safety data sheet.

- Some marbles and other stone have low flexural strength and may not be suitable for installation over wood floors.
- For green marble, resin backed tile and stone and other moisture sensitive marbles and agglomerates, use LATAPOXY® 300 ADHESIVE.
- During the winter, protect the work from freezing and from the pedestrian crossing until completely hardened.
- Contains cement and sand. It can irritate the eyes. May cause sensitization by skin contact. Wear protective gloves and goggles when mixing and applying the product. In case of contact with the skin, wash thoroughly with water. Do not swallow. Avoid breathing dust.
- Keep out of reach of children.

## 4. TECHNICAL DATA



### VOC/LEED Product Information

- Émissions dans l'air intérieur: A+
- GEV EMICODE EC1 Plus

### Applicable Standard

- EN 12004 C2F
- EN 12004 C2F S1 or S2 when mixed with 3701 MORTAR ADMIX\*
- ISO 9001:2015 Quality Management System

\*Refer to Physical Properties & Working Properties for details.

## Physical Properties

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

### 325 RAPID mixed with water

Classification EN 12004-1:	C2 F		
	Value	Requirement	Test Method
Early Tensile Adhesion Strength (6 hours):	~ 0.7 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength:	~ 1.8 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength after Water Immersion:	~ 1.3 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength after Heat Ageing:	~ 1.6 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength after Freeze-Thaw Cycles:	~ 1.1 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Open Time: Tensile Adhesion Strength after 15 min.:	~ 0.8 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	12004-2 8,1

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

Classification EN 12004-1:	C2 F S1		
	Value	Requirement	Test Method
Early Tensile Adhesion Strength (6 hours):	~ 0.9 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength:	~ 2.2 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength after Water Immersion:	~ 1.4 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength after Heat Ageing:	~ 2.2 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength after Freeze-Thaw Cycles:	~ 1.3 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Open Time: Tensile Adhesion Strength after 15 min.:	~ 1.0 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	12004-2 8,1
Transverse Deformation:	~ 2.8 N/mm <sup>2</sup>	≥ 2.5 N/mm <sup>2</sup>	12004-2 8,4

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

### 325 RAPID mixed with concentrated 3701 MORTAR ADMIX

Classification EN 12004-1:	C2 F S2		
	Value	Requirement	Test Method
Early Tensile Adhesion Strength (6 hours):	~ 1.1 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength:	~ 2.6 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength after Water Immersion:	~ 1.5 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength after Heat Ageing:	~ 2.4 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Tensile Adhesion Strength after Freeze-Thaw Cycles:	~ 1.5 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>	12004-2 8,3
Open Time: Tensile Adhesion Strength after 15 min.:	~ 1.2 N/mm <sup>2</sup>	≥ 0.5 N/mm <sup>2</sup>	12004-2 8,1
Transverse Deformation:	~ 2.8 N/mm <sup>2</sup>	≥ 2.5 N/mm <sup>2</sup>	12004-2 8,4

## Working Properties

Consistency:	Creamy
Wet Density:	1,65 kg/dm <sup>3</sup>
Mix Ratio for C2F Adhesive:	26% water 6.5 lt water per 25 kg bag
Mix Ratio for C2F S1 Adhesive:	27% diluted latex admix (1:1 with water) 3.4 lt water + 3.4 lt latex per 25 kg bag
Mix Ratio for C2F S2 Adhesive:	27% latex admix 6.8 lt latex per 25 kg bag
Application Temperature:	From +5°C to +35°C
Working Time:	30 minutes
Open Time:	15 minutes
Maximum Thickness:	15 mm
Time to Foot Traffic:	2-3 hours
Time to Grouting:	2-3 hours
Time to Full-Service Conditions:	~3 days
Final Hardening:	~7 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. Fluid cement-based screeds and existing tile and stone should be treated with a primer such as PRIMER PLUS or PRIMER SUPERIOR before application. 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. Mixing ratio: about 6.5 litres per 25 kg bag. Add water to pail, then add powder. Mix with a slow speed mixer to obtain 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 2-3 minutes. Remix briefly before application, without adding any more water or powder. During use, stir occasionally to keep mix fluffy. Do not temper with water.

*Note: when using over wooden substrates, fluid cement-based screeds, or heated screeds, mortar must be fortified first with latex admix for improved performance prior to application*

### 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 12 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 outdoor 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 2-3 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@laticreteeurope.com](mailto:info@laticreteeurope.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

## 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@laticreteeurope.com](mailto:technicalservices@laticreteeurope.com)

### 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 2310: 3701 MORTAR ADMIX Product Datasheet