



335 RAPID FL

DS-893-0721

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

335 RAPID FL

2. MANUFACTURER

LATICRETE Europe S.r.l. a socio unico

Via Paletti, snc, 41051

Castelnuovo Rangone MO, Italy

Telephone: +39 059 535540

Email: info@laticreteurope.com

Website: laticrete.eu

3. PRODUCT DESCRIPTION

335 RAPID FL is a rapid setting polymer fortified, flexible adhesive for flow-bed installations up to 20 mm. It is self-wetting, low dust, easy to use, and particularly suitable for large format tile installation or areas subject to heavy traffic.

Uses

- For interior and exterior floors
- For installation of non-moisture sensitive stone, porcelain tile, and ceramic tile
- For thicknesses up to 20 mm
- Suitable for large format tile installation
- Areas subject to heavy traffic
- Good for cement based heated screeds (hot water or electrical systems)

Advantages

- Flexible, deformable, and high strength
- Fluid consistency and deformable – easy to use
- Ideal for installation of large format tile
- Rapid setting – ready to grout in 4 hours

- Low VOC emissions and low dust – safe, better indoor air quality
- Conforms to EN 12004 C2F S1

Suitable Substrates

- Concrete
- Cement Block
- Cement Mortar Bed
- Self-Leveling and Patching Compounds (Interior Only)
- Cement Backer Board (Interior Only)
- Existing Ceramic Tile and Stone (Interior Only)

Packaging

25 kg bag

Approximate Coverage / Consumption

- 3 - 6 kg/m² with a 8 x 10 mm notched trowel
- 5 - 7 kg/m² with a 10 x 20 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, gypsum, anhydrite, cement-based boards, existing tile, or particularly absorbent substrates should be treated with a primer.
- DO NOT use directly in contact with magnesium-based screeds as direct contact with cement-based mortar can degrade the magnesium-based screed.
- DO NOT mix with other cement or adhesives.
- When installing tiles in high traffic or demanding conditions (i.e. exterior, balconies), a highly elastic bonded waterproofing system such as HYDRO BAN® is recommended.
- 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.

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

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 stone, refer to manufacturer's installation recommendations and conduct mock-up before install.
- For green marble, resin backed tile and stone and other moisture sensitive marbles and agglomerates, use LATAPOXY® 300 ADHESIVE.
- When installing tiles in exterior demanding conditions such as balconies, use a highly flexible bonded waterproofing system such as HYDRO BAN®.
- Protect the work from freezing, rain or water, 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

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

Applicable Standard

- EN12004 C2F S1
- ISO 9001:2015 Quality Management System

Physical Properties

Basis:	cement, aggregates, additives		
Colour:	grey		
Apparent Density:	~1,20 g/cm ³		
Maximum Grain Size:	~0,5 mm		
Flammability:	No		
Classification EN 12004-1:	C2F S1		
	Value	Requirement	Test Method
Early Tensile Adhesion Strength (6 hours):	~ 1,0 N/mm ²	≥ 0,5 N/mm ²	12004-2 8,3
Tensile Adhesion Strength:	~ 2,8 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Tensile Adhesion Strength after Water Immersion:	~ 1,5 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Tensile Adhesion Strength after Heat Ageing:	~ 2,9 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Tensile Adhesion Strength after Freeze-Thaw Cycles:	~ 1,7 N/mm ²	≥ 1,0 N/mm ²	12004-2 8,3
Open Time: Tensile Adhesion Strength after 20 minutes:	~ 1,1 N/mm ²	≥ 0,5 N/mm ²	12004-2 8,1
Transverse Deformation:	~ 2,9 mm	≥ 2,5 mm	12004-2 8,4
Temperature Resistance:	From -30 °C to +90 °C		

Working Properties

Consistency:	creamy, fluid paste
Wet Density:	~1.60 g/cm ³
Mix Ratio:	24% (6 lt water per 25 kg bag)
Application Temperature:	From + 5°C to + 35°C
Pot Life:	~60 min.
Open Time:	~20 min.
Maximum Thickness:	~20 mm
Time to Foot Traffic:	~6 hours
Time to Grouting:	~6 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, existing tile, 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 clean, potable water and a clean pail. Pour 6 liters of water into pail, add 25 kg of 335 RAPID FL while mixing with a low-speed mixer until consistency is smooth, creamy, and lump-free. Do not add other aggregates or hydraulic binder. Let the mortar slake for about 1-2 min. Remix again without adding additional water or powder.

The mortar should have a creamy consistency free of lumps. During use, stir occasionally to keep mix fluffy. Do not temper with water.

Note: Always clean the mixing pail before mixing a new bag as 335 RAPID FL acts as an accelerant.

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 and freezing temperatures for the first 12 hours following application.

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 4 hours curing time at 23°C and 50% RH; site conditions can change dry and cure time. For grouting marble, use LATICRETE® cementitious grouts, such as PERMCOLOR® SELECT or PERMACOLOR® SELECT FINE or epoxy grouts such as SPECTRALOCK® PRO PREMIUM GROUT.

Note: It is always advisable to conduct a mockup and cleanability test for marble before proceeding.

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@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:

- DS230.13EU: 1 Year Product Warranty (EN)