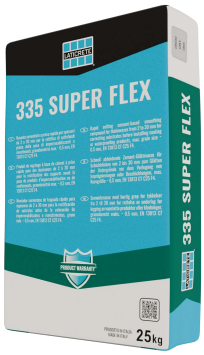
335 SUPER FLEX

DS-886-0824 A
For use with Knauf UK & Ireland GmbH AQUAPANEL & ROCK-ON Material

Globally Proven Construction Solutions



1. PRODUCT NAME
335 SUPER FLEX

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
335 SUPER FLEX is a fibre reinforced, thixotropic, deformable and flexible adhesive that has been formulated for rapid, reliable installation of tiles. 335 SUPER FLEX is ideal for vertical as well as submerged applications. It can be used over existing tiles and in high traffic areas.

Uses

- For interior, exterior, and submerged use, including swimming pools and fountains
- For walls or floors
- For thickness up to 20mm
- For installation of ceramic, porcelain, glass, other non-absorbent tiles and non-moisture sensitive stone
- For installation of large format tiles
- Ideal for heated screeds
- Over existing wall and floor tiles
- For heavy traffic areas
- Please refer to the “Adhesive Selection Guide” in the product catalogue for a complete list of applications and maximum permitted sizes

Advantages

- Single component – just mix with water
- Low VOC emissions – better indoor air quality
- Easy to use — thixotropic, flexible and deformable
- High strength — fibre reinforced
- Frost resistant
- Non-sag — good for vertical applications
- Good for swimming pools
- Available in grey and white

Suitable Substrates

- Concrete
- Concrete Block
- Cement Mortar Beds and Screeds
- Self-Leveling and Patching Compounds
- Cement Plaster/Render
- Cement Backer Board (Interior Only)
- Gypsum Wallboard (Interior use only, non-wet areas)
- Gypsum Underlayment Or Light Weight Concrete (Interior Only)
- Exterior Glue Plywood (Interior use only, non-wet areas)
- Existing Ceramic Tile and Stone (Interior Only)

Packaging
White & Grey
25 kg bag; 48 bags per pallet

Approximate Coverage / Consumption

- 3.5 - 6 kg/m^2 with a 6 x 10 mm notched trowel
- 7 - 8 kg/m^2 with a 15 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.

Limitations

- DO NOT use on concrete construction that is less than 3 months old.
- On gypsum or anhydrite substrates, plywood, or fluid cement-based screeds, use PRIMER PLUS or PRIMER SUPERIOR beforehand.
- DO NOT on surfaces where quick walkability or return to traffic is required.

- DO NOT use on wooden, metal rubber, PVC or linoleum surfaces.
- DO NOT use with moisture sensitive stones.
- Use white version for white or light-coloured marble/stone.
- 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

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 for the first 48 hours.
- Upon completion, protect finished work from rain during the 24 hours following installation.
- Contains sand and 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 S1
- ISO 9001:2015 Quality Management System

Physical Properties

Basis:	Cement, aggregates, additives		
Colour	White / grey		
Apparent Density:	~ 1,25 g/cm³		
Maximum Grain Size:	~ 0,5 mm		
Flammability:	No		
Classification EN 12004-1:	C2 TE S1		
	Value	**Requirement**	**Test Method**
Tensile Adhesion Strength:	≥ 1,0 N/mm²	≥ 1,0 N/mm²	12004-2 8,3
Tensile Adhesion Strength after Water Immersion:	≥ 1,0 N/mm²	≥ 1,0 N/mm²	12004-2 8,3
Tensile Adhesion Strength after Heat Ageing:	≥ 1,0 N/mm²	≥ 1,0 N/mm²	12004-2 8,3
Tensile Adhesion Strength after Freeze-Thaw Cycles:	≥ 1,0 N/mm²	≥ 1,0 N/mm²	12004-2 8,3
Open Time: Tensile Adhesion Strength after 30 min.	≥ 0,5 N/mm²	≥ 0,5 N/mm²	12004-2 8,1
Transverse Deformation:	≥ 2,5 mm	≥ 2,5 mm	12004-2 8,4
Slip:	≤ 0,5 mm	≤ 0,5 mm	12004-2 8,2
Temperature Resistance:	From -30 °C to +90 °C		

Working Properties

Consistency:	creamy
Wet Density:	~ 1.65 g/cm³
Mix Ratio:	27- 29% (6,75 – 7.25 lt water per 25 kg bag)
Application Temperature:	From + 5°C to + 35°C
Working Time:	3 hours
Open Time:	~ 30 minutes
Maximum Thickness:	20 mm
Time to Foot Traffic:	~ 12 hours
Time to Grouting:	~ 12 hours
Time to Full-Service Conditions:	7 days
Final Hardening:	28 days

(23°C / 50% RH)

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 335 SUPER FLEX.* Mixing ratio: about 6.75 – 7.25 litres of water per 25 kg bag (27-29% of water). 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. 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 from traffic 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@laticreteeurope.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 on 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

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.