



AQUA BARRIER RAPID

DS-754-0524

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

AQUA BARRIER RAPID

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Two-component flexible elastomer coating modified with polymers with rapid setting for waterproofing and protecting screeds, plasters, concrete, old floors and masonry before installing ceramic tiles with adhesives.

Uses

- For indoor and outdoor use
- Elastic waterproofing of subfloors before installing ceramic tiles and natural stone.
- Balconies and terraces, swimming pools, flat roofs, showers
- Restore without removing the old floors
- Flexible skim coating on surfaces subject to vibration
- Protection of concrete from atmospheric conditions and carbonation, protection of earth retaining walls
- Watertight gluing of WPM Tape on STARATA_MAT WP antifracture decoupling and waterproofing membrane

Advantages

- Rain resistant after just 3 hours
- Ready for foot traffic and coating in as little as 4 hours
- Easy to apply by roller, brush and trowel
- Prevents carbonation of concrete
- Anti-fracture protection for cracks with up to 1 mm of movement

Permitted backings

- Concrete
- Screed and cement-based mortar
- Cement-based plaster
- Concrete and brick masonry
- Drywall
- Fibre-cement panel
- Old tiles and stone

Packages

- Part A: 5 kg bag
- Part B: 2 kg can

Yield / Consumption

3 kg/m² with 2 mm of thickness
0.8 kg/ml for gluing WPM TAPE on STRATA_MAT WP

Shelf life

Six (6) months in closed original packing raised off the ground in a cool, dry place.

Limitations

- Apply two coats of product. Make sure to apply the second one when the first one is dry.
- DO NOT apply a thickness greater than 2 mm for a single coat.
- Always mix the two components in the required proportions.
- DO NOT apply with temperatures below +8°C.
- Protect from rain for a time of no less than 24 h after application

- Avoid direct exposure to sunlight during application.
- The negative pressure of water may cause local detachment of the hardened membrane.
- If waterproofing terraces, balconies and swimming pools, use AQUA BARRIER NET for improved performance.
- All corners with raised parts, walls or pillars and expansion joints must be treated with WPM TAPE, gluing it with AQUA BARRIER RAPID before applying the two coats. Or with the self-adhesive tape, WPM TAPE PLV (do not use WPM TAPE PLV in applications in constant immersion such as swimming pools or water tanks).

Attention

Before using the products, read the product Safety Data Sheets carefully.

- When applying on very damp substrates, prepare vent stacks every 25 m² to dispose of the moisture in the substrate.
- The drying times may be longer in areas with a high level of moisture and inadequate ventilation (for example, water tanks).
- Protect areas that are not to be treated with AQUA BARRIER RAPID.
- The powder (Part A) is classified as an irritant. Avoid contact with eyes and/or protracted exposure to skin. In the event of contact, wash carefully with water.
- Keep well out of the reach of children.

4. TECHNICAL DATA



COV/LEED VOC Information

ÉMISSIONS DANS L'AIR INTÉRIEUR: A

Standard

- EN 14891 CM O1 P
- ISO 9001:2015 Quality Management System

Physical properties

Classification in accordance with EN 14891:	CM O1 P	
Contents:	A: cement, aggregate, additives B: white latex	
Colour:	grey	
Apparent density:	1.600 g/cm ³	
Maximum grain size:	0.3 mm	
Flammability:	No	
	Value	Requirement
Initial adhesion:	~ 1.2 N/mm ²	≥ 0.5 N/mm ²
Adhesion after immersion in water:	~ 0.9 N/mm ²	≥ 0.5 N/mm ²
Adhesion after heat:	~ 1.7 N/mm ²	≥ 0.5 N/mm ²
Adhesion after freeze/thaw cycling:	~ 1.1 N/mm ²	≥ 0.5 N/mm ²
Adhesion after immersion in lime water:	~ 1.1 N/mm ²	≥ 0.5 N/mm ²
Adhesion after immersion in chlorinated water:	~ 0.8 N/mm ²	≥ 0.5 N/mm ²
Resistance at a positive pressure of 1.5 bar for 7 days:	No penetration	No penetration
Crack-bridging ability -5°C:	> 0.8 mm	≥ 0.75 mm

Working characteristics

Mixture consistency:	creamy
Specific weight of the mix:	1.600 g/cm ³
Mixing ratio:	40% (2 l per 5 kg)
Pot life:	~ 45 min.
Application temperature:	from +5°C to +30°C
Wait for applying second coat:	~60 min.
Delay for installing ceramic tiles:	4 hours
Minimum/maximum thickness per coat:	1 / 2 mm
Total maximum thickness:	4 mm
Working temperature:	from -30°C to +90°C

(at +23°C / 50% R.H.)

These technical data were measured in standard laboratory conditions and may be subject to change without notice. The actual performance of the product depends on the applicative conditions of the site, the method of installation used and the type of coating.

5. APPLICATION

Preparing the backing

The backing must be solid, flat, compact and have no parts showing signs of flaking or dust, grease, paint, wax, rust or efflorescence. Old ceramic floors must be degreased. To do this, use an alkaline cleaner. With cast-in-place concrete, remove the smears of concrete laitance.

Screeds and concretes must be cured properly, 30 days for screeds and 6 months for concrete.

Apply the primer, PRIMER PLUS or PRIMER SUPERIOR, on highly absorbent surfaces such as lightened concrete to improve adhesion.

In the warm season, before applying, wet the backing with water and remove the excess with compressed air or a wet vacuum cleaner to obtain a slightly moist backing with a dry surface. Do not apply the product in direct sunlight.

On outer surfaces, always observe the expansion joints already in the substrate and treat them with WPM TAPE.

All corners with raised parts, walls or pillars and expansion joints must be treated with WPM TAPE, gluing it with AQUA BARRIER RAPID before applying the two coats. Or with the self-adhesive tape (on balconies and terraces) WPM TAPE PLV.

Preparing the product and application

During the summer keep the bags and pails of AQUA BARRIER RAPID away from direct sunlight prior to use. Each 5 kg bag of powder needs a 2 kg can of latex. To mix smaller quantities always use a mixing ratio of 1 part of latex to 2.5 parts by weight of powder.

To obtain a uniform mix, first pour the latex (part B) into a container and then add the powder (part A), mixing with a mixer at low speed to avoid the product from incorporating too much air, until you obtain a creamy uniform paste. Do not add any water, aggregates or hydraulic binders. If the mix is hardening do not try adding any water or part B (liquid) to make it trowelable again.

The coating should be installed with wide joints (at least 3 mm) using a C2 adhesive.

When waterproofing terraces, balconies or swimming pools: we always advise sinking the AQUA BARRIER NET fibreglass mesh in the first coat of AQUA BARRIER RAPID.

6. AVAILABILITY AND COSTS

Availability

LATICRETE® products are available worldwide. To know the name of your nearest dealer, contact LATICRETE EUROPE S.r.l.

+39 059 557680

info@laticreteurope.com

For information about the distributor online, www.laticrete.eu.

Costs

Contact your nearest LATICRETE EUROPE S.r.l. product dealer to obtain full information about the costs.

7. WARRANTY

The vendor guarantees that the product will not deteriorate under normal conditions of use. Warranty is valid for one (1) year. Contact Technical Services for additional information. See 10. DOCUMENTATION:

- DS230.13EU: 1 year of product warranty (IT)
- DS230.10EU: 5-10-15 years of product system warranty (IT)

8. MAINTENANCE

LATICRETE® and LATAPOXY® products are high-quality products designed to make long-lasting, maintenance-free installations. However, the duration and performance strictly depend on the type of products used for cleaning.

9. TECHNICAL SERVICES

Technical support

For information, contact Technical Service:

+39 059557680

technicalservices@laticreteurope.com

Technical and safety related literature

To obtain technical and safety related literature, visit our website: www.laticrete.eu.

Warnings

The information and instructions given in this Technical Data Sheet, although based on knowledge acquired over years of applications, are to be considered merely as a guide. LATICRETE®, not being able to control the product installation conditions and application methods directly, cannot be held liable for anything deriving from their installation. Anyone wishing to use LATICRETE® products must perform appropriate site tests to determine suitability for the intended use.

Our products are covered by warranty within the limits of our general conditions of sale and within the limits of the correspondence of our products with the technical specifications and applicable certifications, as explicitly stated on the product technical data sheets or in the applicable technical documentation expressly supplied by us with the products themselves.

10. DOCUMENTATION

Further information about the product is available on our Website laticrete.eu.