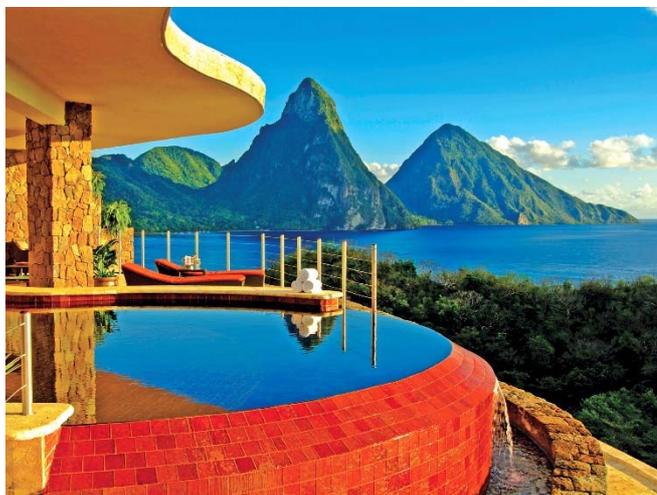




AQUA BARRIER RDY

One component cement and polymer-based waterproofing

Globally Proven
Construction Solutions



FEATURES/BENEFITS

- One component
- Withstands water back pressure
- Vapour permeability
- Brush-applicable
- High-performance
- Low volatile emissions
- No shrinkage
- Low environmental impact

USES

- Protecting concrete (pillars, beams, etc) from the deterioration and mechanical decay caused by carbonation and aggressive elements
- For elastic waterproofing and insulating bearing structures for baths and swimming pools before installing the ceramic tiles
- Waterproofing showers, terraces and roofs before installing covering materials or cladding
- Waterproofing old balconies in preparation for installing new flooring without removing the existing floor
- Flexible smoothing on prefabricated concrete constructions subject to vibrations and warping
- As a waterproofing membrane and to protect foundation walls
- As an elastic smoothing coat for plaster/render with microcracking.

MANUFACTURER

LATICRETE® EUROPE S.r.l.
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STANDARDS/CERTIFICATIONS



EN1504-2 PI-MC-IR

EN149891 CM O2 P

Form

Grey powder

Packs

25 kg

Pallet

1200 kg

Coverage1.2 kg/m² per mm**Storage**

AQUA BARRIER RDY can be stored for up to 12 months if maintained in a dry place and in its original packaging.

Quality and Environmental Standards

AQUA BARRIER RDY undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2008.

Warning

- Always apply several coats, making sure you wait until the previous coat is dry before applying the next.
- Do not apply in thicknesses of over 2 mm per coat.
- Do not apply in temperatures below +5°C.
- Protect against rain for at least 72 hours.
- When installing on very porous substrates (such as lightened screed or foamed clay), provide ventilating shafts every 25m² to release the dampness in the substrate.
- Do not apply gypsum or anhydrite substrates without using Primer
- No not apply to metal, wooden, or bituminous surfaces

TECHNICAL DATA

TECHNICAL AND APPLICATION SPECIFICATIONS	
Hazard classification as per Directive 99/45/EC:	irritant
Specific weight of mixture:	1.50 g/cm ³
Pot life:	approx. 60 minutes
Application temperature:	from +5°C to +35°C
Mixing water:	24% (6 L per bag)
Average waiting time before applying 2nd coat:	approx. 4 hours
Waiting time before laying ceramic tiles:	3-4 days
Maximum coat thickness:	2 mm
Maximum thickness obtainable:	5 mm
Low organic volatile emissions:	EC2
Room/ambient temperature:	from -30°C to +70°C

FINAL PERFORMANCE SPECIFICATIONS - EN 14891	Requirement	Level
Initial adhesion:	≥ 0.5 N/mm ²	2.15 N/mm ²
Adhesion after immersion in water:	≥ 0.5 N/mm ²	1.00 N/mm ²
Adhesion after heat action:	≥ 0.5 N/mm ²	3.00 N/mm ²
Adhesion after thaw cycles:	≥ 0.5 N/mm ²	1.10 N/mm ²
Adhesion after immersion in calcium-saturated water:	≥ 0.5 N/mm ²	1.00 N/mm ²
Adhesion after immersion in coloured water:	≥ 0.5 N/mm ²	1.00 N/mm ²
Waterproofing at 1.5 bar for 7 days (standard pressure):	No penetration	No penetration
Waterproofing at 1.5 bar for 7 days (back pressure):	not required	not required
Crack - bridging ability in standard conditions:	≥ 0,75 N/mm ²	1,10 N/mm ²
Crack - bridging ability in low temperatures (-20 °C):	≥ 0,75 N/mm ²	0,82 N/mm ²
Final elongation:	not required	30%
Vapour permeability EN 52615:	Not required	410 μ
Harmonised customs code:	38245090	

**Data collection at +23°C / 50% U.R. and absence of ventilation. The data can be significantly modified by the conditions of application.*

INSTALLATION

Preparation

The substrate must be sound, flat, compact, have no parts coming away, and be free of dust, grease, form release oils, paint, wax, rust or efflorescence. Repair any holes or uneven sections with FER MORTAR. With concrete bases, remove any cast joint burrs and wait at least 30 days for setting. Before the application, drench the substrate with water and then remove the surplus with compressed air, a liquid suction system, or with absorbent cloths in order to obtain a slightly damp base which, nevertheless, has a dry surface. Old floors must have wax and grease removed and must be washed. To do this, use STONETECH® CLEANER BASIC. Provide the surface on which you will be applying the product with protection from direct sunlight beforehand. For external surfaces, always make expansion joints in position with those in the screed.

Application

To obtain a smooth mixture, pour 6 litres of clean water into a container, then add the AQUA BARRIER RDY powder; mix with a mechanical mixer at a low speed to prevent too much air being mixed in until you have a lump-free paste. During the summer, keep the packs of AQUA BARRIER RDY away from direct sunlight before use. Do not add other aggregates or hydraulic binders to the product. If the mixture is already hardening, do not attempt to restore workability by adding water. Wait approx. 4 days after applying AQUA BARRIER RDY before installing tiles and lay with wide joints (at least 3 mm), using an adhesive such as 325 HIFLEX or ULTIMATE S. For swimming pools, use 4237 mix with 211 POWDER or ULTIMATE S. When waterproofing terraces, balconies, or swimming pools, we always recommend you add our AQUA BARRIER NET (fiber glass mesh) to the first layer of AQUA BARRIER RDY. During the waterproofing stage, be careful with the expansion joints and the joint between the horizontal and vertical surfaces, where WPM TAPE or WPM TAPE PLV must be used.

AVAILABILITY AND COST

Availability

LATICRETE® AND LATAPOXY® materials are available worldwide. For distributor information, please contact LATICRETE® EUROPE S.r.l. Telephone +39 059 557680. For on-line distributor information, visit www.laticrete.eu

Cost

Contact a LATICRETE® and LATAPOXY® closer distributor to obtain complete information and cost.

WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Support for further information.

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.

TECHNICAL SERVICE

Technical assistance

For information contact: +39 059 557680
info@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® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must 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.