



AQUA BARRIER RDY

DS-752-0421

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

AQUA BARRIER RDY

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

AQUA BARRIER RDY is the ultimate protection against water infiltration, effective even in case of negative hydraulic pressure. Its polymer fortified, cement-based formula has been designed to protect cement-based plasters and concrete, including those on grade, against degradation and mechanical decay often caused by carbonation and aggressive agents.

Uses

- Interior and exterior
- For waterproofing before install of tile and stone
- Swimming pools, fountains, and water features
- Terraces and balconies over unoccupied spaces
- Restoring old balconies without removing existing floor
- Shower pans, stalls, and tub surrounds
- As a flexible levelling compound on concrete subject to vibrations or movement
- Protection of concrete from aging and carbonation
- Protection of concrete on grade
- Flexible levelling over plasters and screeds with micro-cracks

Advantages

- Single component — just add water
- Easy to apply — applies quickly with a brush
- Bonds to difficult foundations
- Resistant to negative hydraulic pressure ≤ 1.5 bar
- Prevents degradation and carbonation of concrete
- Crack suppression and anti-fracture protection
- Ideal for balconies, terraces, pools with use of AQUA BARRIER NET
- Conforms to EN 14891 CM P

Suitable Substrates

- Concrete
- Cement Mortar
- Cement Mortar Bed
- Cement Plaster/Render
- Concrete Masonry
- Masonry
- Cement Backer Board
- Ceramic Tile and Stone

Packaging

20 kg; 48 bags per pallet

Coverage / Consumption

1.2 kg/m² per mm

Shelf Life

Factory sealed bags of this product are guaranteed to be of first quality for twelve (12) months if stored in a cool, dry place.

Limitations

- Always apply at least two (2) coats, making sure to wait until the previous coat is dry before applying the next.
- DO NOT apply in thicknesses over 2 mm per coat.
- DO NOT apply to metal, wood, or bituminous substrates.
- DO NOT apply in temperatures below +5°C.
- Avoid direct sunlight during application.
- Negative water pressure can lead to delamination during frost conditions.
- If waterproofing terraces, balconies and swimming pools, use AQUA BARRIER NET for improved performance.

Cautions

Consult SDS for more safety information.

- If installing over a substrate with a lot of moisture, provide supplemental ventilation, such as fans, every 25m² to help with drying.
- In areas with high humidity and inadequate ventilation (i.e. in water tanks) allow for extended drying times.
- To increase pot life/working time at higher temperature, store material in a cool environment above +5°C and only expose to warm temperature shortly before mixing.
- Protect against rain and elements for at least 72 hours after application.
- Contains 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

Applicable Standard

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

Physical Properties

EN 14891 Classification:	CM P	
Basis:	Cement, aggregates, additives	
Colour:	Grey	
Apparent Density:	1,10 g/cm ³	
Maximum Grain Size:	0,3 mm	
Flammability:	No	
	Value	Requirement
Initial Adhesion:	~ 2,8 N/mm ²	≥ 0.5 N/mm ²
Adhesion after Immersion in Water:	~ 1,1 N/mm ²	≥ 0.5 N/mm ²
Adhesion after Heat Action:	~ 3,1 N/mm ²	≥ 0.5 N/mm ²
Adhesion after Freeze-Thaw Cycles:	~ 1,1 N/mm ²	≥ 0.5 N/mm ²
Adhesion after Immersion in Calcium-Saturated Water:	~ 1,6 N/mm ²	≥ 0.5 N/mm ²
Adhesion after Immersion in Coloured Water:	~ 1,2 N/mm ²	≥ 0.5 N/mm ²
Waterproofing at 1.5 bar for 7 days (standard pressure):	No penetration	No penetration
Waterproofing at 1.0 bar for 7 days (negative pressure):	No penetration	No penetration
Crack-bridging Ability (in standard conditions):	~ 0,8 mm	≥ 0,75 mm
Temperature Resistance (after cure):	From -30°C to +70°C	

Working Properties

Consistency:	Creamy paste
Wet Density:	1,50 g/cm ³
Mix Ratio:	24% (4,8 L per 20 kg bag)
Working Time:	~ 60 minutes
Application Temperature:	+5°C to +30°C
Average Time to Second Coat:	~4 hours
Time to Tile Install:	4 days
Maximum Thickness per Coat:	2 mm
Maximum Total Thickness (Dried):	3 mm

(at +23°C / 50% R.H.)

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

Substrate Preparation

All substrates must be structurally sound, clean and free of dirt, oil, grease, paint, laitance, efflorescence, concrete sealers or curing compounds. Repair any holes or uneven sections with a LATICRETE patching or skim mortar. Any wax or grease should be removed from old ceramic floors using a basic detergent. Screeds and concrete must be completely cured, at least 30 days for screeds and 3 months for concrete.

The substrate must be damp during application. Dampen hot, dry surfaces and sweep off excess water. Existing ceramic tile floors must be degreased using an alkaline detergent such as STONETECH® KLENZALL™ CLEANER. Protect work area from direct sunlight before application.

For exterior applications, always maintain expansion joints from the substrate and treat with WPM TAPE.

For all coves, corners, columns, floor/wall transitions and other changes in substrate plane, treat with WPM TAPE or WPM TAPE PLV before application of AQUA BARRIER. If using WPM TAPE, it must be applied using AQUA BARRIER. *Note: Do not use WPM TAPE PLV in continuously submerged applications such as water tanks or swimming pools.*

Mixing & Application

During the summer, keep AQUA BARRIER RDY out of direct sunlight before use.

Pour 4.8 litres of clean water into a clean container, and then add AQUA BARRIER RDY powder. Mix with a mechanical mixer at a low speed to prevent mixing in too much until you have a smooth, homogenous, lump-free

paste. Do not add aggregates or hydraulic binders. If the mixture is already hardening, do not attempt to use additional water to make it workable again.

Apply mortar to the substrate with the flat side of steel trowel, pressing firmly to work into surface. Apply the second layer of mortar after the first is sufficiently dry, about 4 hours. Do not exceed 2 mm for each layer.

When waterproofing terraces, balconies or swimming pools: we always recommend you add a fiber glass mesh like AQUA BARRIER NET to the first layer of AQUA BARRIER RDY.

Wait approximately 4 days after applying AQUA BARRIER RDY before installing tiles. Then install tiles with wide joints (at least 3 mm) using a C2 adhesive.

6. AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l.:

+39 059 535540

info@laticreteeuropa.com

For on-line distributor information, visit www.laticrete.eu.

Cost

Contact LATICRETE EUROPE S.r.l 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:

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

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@laticreteeuropa.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:

- DS 230.13: 1 Year Product Warranty