



AQUA BARRIER LASTIK

DS-6680-0526

For the Builders of a
Better World™



1. PRODUCT NAME

AQUA BARRIER LASTIK

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

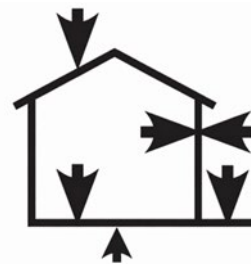
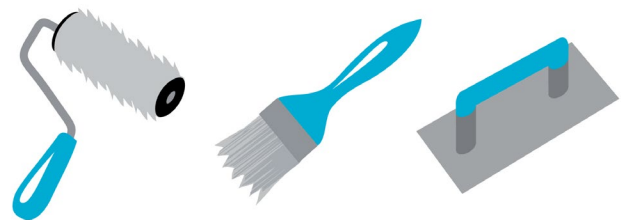
AQUA BARRIER LASTIK is a multi-purpose liquid waterproofing membrane based on acrylic and bitumen in water, offering excellent waterproofing performance, flexibility, elasticity, mechanical strength, and adhesion on all types of substrates.

Advantages

- Adheres perfectly to substrates
- Superior elastic and waterproofing properties
- Long-lasting.
- Highly resistant to weathering and UV rays
- Resistant to standing water.
- Easy and quick to install, saving significant time during construction
- Can be left exposed or covered with cementitious mortars and is paintable.
- Suitable for foot traffic (not for continuous traffic).
- Odorless and non-flammable.
- Non-toxic and solvent-free.
- Ready to use
- High coverage
- Hail-resistant

Standard

- EN 14891: DM O1
- EN 1504-2 (C): PR-PI-MC-IR
- EN 15814: W2B-CB2-CB2-R2 PMBC
- ISO 9001:2015: CERT-09019-2001-AQ-BOL-SINCERT



Applications

- Waterproofing and protection of a wide variety of interior and exterior substrates.
- Roof waterproofing.
- Waterproofing of foundations and retaining walls.
- Creation of a substrate for cementitious materials, cementitious tile adhesives, cementitious plasters for foundation protection, and cementitious mortars for bedding roof tiles on sloped roofs.
- Also ideal as a waterproof base for subsequent tile installation.
- Adhesive application of insulation panels (only on porous substrates)
- Dust-proof primer (diluted 50%)

Acceptable substrates

- Concrete
- Cement blocks
- Lightweight concrete
- Cellular concrete
- Screeds
- Cement plaster
- Old tiles and stone
- Fiber cement board
- Wooden roofs
- Old, sufficiently weathered bituminous membranes
- Slate-faced polymer-modified bitumen membranes
- Sheet metal and metal roofing

Packaging

5 kg or 20 kg per bucket

Coverage / Consumption

From 1.5 kg/m² to 2.5 kg/m² in two coats

Storage

Twenty-four (24) months in original, unopened packaging, stored off the ground in a cool, dry place. High humidity will reduce the product's shelf life.

4. TECHNICAL DATA

Physical Properties

Content	Thixotropic paste
Color	Gray and black
Bulk density	~ 1500 kg/m ³
Dry residue by weight	77% ± 4%
pH	~ 7.5
Brookfield viscosity (spindle 6; 10 rpm)	65,000 ± 13,000 cP
Damage velocity v _d	35 m/s

Performance

Classification according to UNI EN 14891:		DM O1
	Requirement	Standard
Initial adhesion	≥ 0,5 N/mm ²	EN 14891
Adhesion after immersion in water	≥ 0,5 N/mm ²	EN 14891
Adhesion after thermal aging	≥ 0,5 N/mm ²	EN 14891
Adhesion after freeze-thaw cycles	≥ 0,5 N/mm ²	EN 14891
Adhesion after immersion in lime water	≥ 0,5 N/mm ²	EN 14891
Resistance to positive pressure of 1.5 bar for 7 days	No penetration	EN 14891
Crack Bridging Ability (at -5°C)	No penetration	EN 14891
Temperature resistance	From -30°C to +80°C	

Classification according to UNI EN 1504-2:		PR-PI-MC-IR
	Value	Standard
Cold flexibility	-10°C	UNI EN 1109
Elongation at break	>200%	UNI EN 12311
Hail resistance	Yes	UNI EN 13583
CO ₂ permeability	S _D	UNI EN 1062-6
Water vapor transmission rate	Class I (S _D <5 m)	UNI EN 7783
Liquid water permeability/absorption	W <0,1 kg*m ² *h ^{-0.5}	UNI EN 1062-3
Direct tensile adhesion	≥ 1 N/mm ²	UNI EN 1542
Abrasion resistance	< 3 g	UNI EN 5470-1
Impact resistance	Class III (≥20 Nm)	UNI EN 6272-1
Static crack-bridging ability (-10°C)	Class A5	UNI EN 1062-7
Adhesion to steel	≥ 1,7 N/mm ²	UNI EN 1542
Adhesion to wood	≥ 1,7 N/mm ²	UNI EN 1542

Classification according to UNI EN 15814:		W2B-CB2-CB2-R2 PMBC
	Value	Standard
Static crack bridging at +4°C (Crack resistance)	Class CB2	UNI EN 15812
Water resistance under pressure on a 1 mm open crack	Class W2B	UNI EN 15820
Compressive strength	Class C2B	UNI EN 15815
Rain resistance	Class R2	UNI EN 15816
Water resistance	No water discoloration	UNI EN 15817
Low-temperature flexibility at 0°C	No cracks	UNI EN 15813
Dimensional stability at high temperatures +70°C	No discoloration or dripping	UNI EN 15818
Thickness reduction after drying	35%	UNI EN 15819
Reaction to fire	Class E	UNI EN 13501-1

Performance characteristics according to UNI EN 11928-1		
	Value	Standard
Water impermeability (at 60 kPa)	No water penetration	UNI EN 1928
Water vapor transmission properties	Class I ($S_d < 5$ m)	UNI EN 7783
Direct tensile adhesion (C40 concrete substrate)	> 1 N/mm ²	UNI EN 1542
Impact resistance	Class III (≥ 20 N/m)	UNI EN 6272-1
Static punching	≥ 50 N	UNI EN 12730 B
Dynamic Crack Bridging (23°C)	Class B4.2	UNI EN 1062-7 B
Dynamic crack bridging at low temperatures (0°C)	Class B4.2	UNI EN 1062-7 B
Slip resistance	Class III PTV _{dry} : 116 PTV _{wet} : 109	UNI EN 13036-4
Permeability to liquid water (by capillary absorption)	Class W ₃ Low $w < 0.1$ kg/m ² h ^{0.5}	UNI EN 1062-3
Resistance to heat aging for 7 days at 70±3°C (Water impermeability at 60 kPa - UNI EN 1928)	No water penetration	UNI EN 1062-11 Section 4.1
Acceptance criteria after heat exposure (7 days at 70±3°C)	No swelling No cracking No flaking	UNI EN 4682-2 UNI EN 4682-4 UNI EN 4682-5
Resistance to 20 freeze-thaw cycles without de-icing salts (Tensile adhesion to substrate – UNI EN 1542)	≥ 1 N/mm ²	UNI EN 13687-3
Acceptance criteria after freeze-thaw exposure (20 freeze/thaw cycles)	No swelling No cracking No spalling	UNI EN 4682-2 UNI EN 4682-4 UNI EN 4682-5
UV resistance (400 MJ/m ² , 2460 hours) and spray resistance (492 hours) (Visual inspection of appearance)	Passes	UNI EN 4892-3 (Cycle 3)
Acceptance criteria after UV/spray exposure (400 MJ/m ² , for 2460 hours and spray for 492 hours)	No swelling No cracking No flaking	UNI EN 4682-2 UNI EN 4682-4 UNI EN 4682-5
Reaction to fire	Euroclass E	UNI EN 13501-1

The Aqua Barrier Lastik product complies with the UNI 11928-1:2023 standard as a liquid-applied waterproofing product installed on-site and used as a sealing element in a continuous (new or existing) exposed, walkable roofing system.

Application characteristics

Consistency of the mixture:	Ready-to-use semi-thick paste
Specific gravity of the mixture	~ 1550 kg/m ³
Minimum application temperature	+10°C
Touch-dry time	2 h
Waiting time before applying the next coat	~ 24 hours
Full cure	7–10 days
Maximum total quantity	3 kg/m ²
Maximum total thickness	~ 3 mm
Application temperatures	From +5°C to +35°C

(data measured at +23°C, 50% relative humidity)

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Technical data sheets are subject to change without notice. For the latest revision, visit <https://eu.laticrete.com/>.

The technical data provided are measured under standard laboratory conditions and are subject to change without notice. Actual product performance depends on on-site application conditions, the installation method used, and the type of coating.

5. APPLICATION

Substrate Preparation

All surfaces must be flat, structurally sound, and compact; they must not have any loose parts and must be free of dust, grease, oil, paint, and wax. Thoroughly clean the surfaces, which must be solid, uniform, and dry; in the case of concrete surfaces, they must not have been previously treated with anti-evaporation products.

Surfaces may also be slightly damp but must be fully cured and must not have defects or irregularities that would require applying excessive product thicknesses and could compromise proper drying.

Before application, verify the integrity and effectiveness of the water drainage points on the surface to be waterproofed.

All waterproofing details involving polymer-modified bitumen membranes must be completed before the membrane is installed.

Avoid the presence of rising damp or backwater pressure.

Product Preparation

AQUA BARRIER LASTIK is ready to use.

During the summer, do not expose AQUA BARRIER LASTIK buckets to direct sunlight before use.

Application

Apply AQUA BARRIER LASTIK with a roller, trowel, squeegee, or brush, preferably in two coats, allowing a waiting time of 12–24 hours between coats, depending on ambient temperature and humidity conditions. To speed up application time, the second coat may be applied wet-on-wet if the first coat has been reinforced, although it is preferable to wait until the following day. On special surfaces, vertical applications, or stressed substrates, it is recommended to reinforce AQUA BARRIER LASTIK with suitable non-woven polyester fabric embedded in the first coat while it is still fresh. It is advisable to wash tools with water immediately after use; once hardened, the product must be removed with hot water or a solvent.

Limitations

- Always apply at least two coats of the product.
- Ensure that subsequent coats are applied only after the previous ones have dried.
- DO NOT apply the product to surfaces subject to permanent water pooling.
- DO NOT apply a single coat thicker than 2 mm.
- Do not apply the product to damp substrates (residual moisture >5%) or very hot surfaces.
- DO NOT apply if rain or fog is expected.
- DO NOT apply at temperatures below +5°C or above +35°C.
- Avoid application in direct sunlight.

Warnings

- Do not expose or store containers at temperatures below +5°C; once frozen, the product is no longer usable.
- The product's viscosity may increase at low temperatures.
- For application on old bituminous waterproofing membranes requiring restoration and without a mineral finish, verify the adhesion of Aqua Barrier Lastik beforehand before proceeding with application.
- Do not reactivate a product that has already begun to set by adding water or fresh product. This may result in inadequate strength development.
- The product must be protected from water and frost until it is completely cured. The still-wet layer can be washed away by rainwater or damaged by dew and frost.
- Protect from rain for at least 48–72 hours after application.
- Avoid contact with skin and eyes. In case of irritation, rinse thoroughly with clean, fresh water. In case of eye contact, seek medical attention immediately.
- Clean tools with water before the product dries.
- Keep out of reach of children.
- **For professional use only.**

For further information, refer to the product safety data sheet.

6. AVAILABILITY AND COSTS

Availability

LATICRETE® products are available worldwide. To find the dealer nearest you, contact LATICRETE EUROPE S.r.l.

Phone: +39 059 535540

Email: info@laticreteeurope.com

Website: <https://eu.laticrete.com/>

Prices

Contact your nearest LATICRETE EUROPE S.r.l. product dealer for complete pricing information.

7. WARRANTY

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

8. MAINTENANCE

LATICRETE® products are high-quality products designed to provide durable, maintenance-free installations; however, their durability and performance depend heavily on the type of cleaning products used.

9. TECHNICAL SERVICES

Technical Support

For information, contact Technical Support

Phone: +39 059 535540

Email: info@laticreteeurope.com

Technical and Safety Literature

To obtain technical and safety literature, visit our website: <https://eu.laticrete.com/>

Warnings

The information and guidelines provided in this Technical Data Sheet, although based on knowledge gained through years of application, are to be considered indicative. Since LATICRETE® cannot directly control the installation conditions and application methods of the products, it assumes no liability arising from their use. Anyone intending to use LATICRETE® products must conduct appropriate on-site tests to determine their suitability for the intended use.

Our products are covered by a warranty within the limits established by our general terms and conditions of sale and within the limits of our products' compliance with applicable technical specifications and certifications, as expressly indicated in the product data sheets or applicable technical documentation and expressly provided by us with the products themselves.

10. DOCUMENTATION

Additional product information is available on our website at <https://eu.laticrete.com/>.