



AQUA BARRIER LASTIK

DS-6680-0126

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 with excellent performance in terms of waterproofing, flexibility, elasticity, mechanical resistance and adhesion to all types of substrates.

Uses

- Waterproofing and protection of many types of substrates.
- Creation of a substrate for cementitious materials, cementitious tile adhesives, cementitious plasters for foundation protection, cementitious mortars for laying roof tiles and slates on pitched roofs.
- Adhesive application of insulating panels (only on porous substrates).
- Anti-dust primer (diluted to 50%).

Advantages

- Adheres perfectly to substrates
- Superior elastic and waterproofing properties
- Long-lasting.
- Highly resistant to atmospheric agents and UV rays.
- Resistant to water stagnation.
- Easy and quick to apply, saving considerable time during installation
- Can be left exposed or covered with cementitious mortars and painted.
- Suitable for foot traffic (not for continuous traffic).
- Odourless and non-flammable.
- Non-toxic and solvent-free.
- Ready to use
- High yield

Suitable substrates

- Concrete
- Cement blocks
- Lightweight concrete
- Cellular concrete
- Screeds
- Cement plaster
- Old tiles and stone
- Fibre cement panels
- Wooden roofs
- Old bituminous membranes that are sufficiently oxidised
- Polymer bitumen membranes with slate finish
- Sheet metal and metal roofing

Packaging

5 kg or 20 kg per bucket

Yield/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 shelf life of the product.

Limitations

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

Warnings

- Do not expose or store the packaging at temperatures below +5°C; once frozen, the product can no longer be used.
- The product may become more viscous at low temperatures.
- For application on old bituminous waterproofing to be restored and without mineral finish, check the adhesion of Aqua Barrier Lastic before proceeding with application.
- Product that has already begun to harden must not be revived by adding water or fresh product. There is a risk of inadequate strength development.
- The product must be protected from water and frost until it is completely hardened. 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.
- Protect skin and eyes from contact. In case of irritation, wash thoroughly with clean, fresh water. In case of contact with eyes, seek medical advice immediately.
- Clean tools with water before the product dries.
- Keep out of reach of children.
- For professional use only.

For further information, consult the product safety data sheet.

4. TECHNICAL DATA

Standard

- EN 14891: CM 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

Physical properties

Content	Thixotropic paste
Colour	Grey and black
Apparent density	~ 1500 kg/m ³
Dry residue by weight	77% ± 4%
pH	~ 7.5
Brookfield viscosity (6-shank; 10 rpm)	65,000 ± 13,000 cP
Damage speed v _d	35 m/s

Performance

Classification according to UNI EN 14891:		CM O1P
	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 ageing	≥ 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 vapour transmission rate	Class I (S _D <5m)	UNI EN 7783
Permeability to liquid water/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 (≥20Nm)	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
Watertightness 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 discolouration	UNI EN 15817

Flexibility at low temperatures at 0°C	No cracks	UNI EN 15813
Dimensional stability at high temperatures +70°C	No discolouration or dripping	UNI EN 15818
Thickness reduction after drying	35	UNI EN 15819
Reaction to fire	E	UNI EN 13501-1

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)

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

5. APPLICATION

Preparation of substrates

All surfaces must be flat, structurally sound and compact, with no loose parts and free of dust, grease, oil, paint and wax. Clean the surfaces thoroughly. They must be solid, uniform and dry. Concrete surfaces must not have been previously treated with anti-evaporation products.

Surfaces may also be slightly damp but must be mature and seasoned and must not have any defects or irregularities that would lead to the application of excessive thicknesses of product and could compromise proper drying.

Before application, check the solidity and efficiency of the water drainage points on the surface to be waterproofed.

All waterproofing details with polymer-bitumen membranes must be completed before laying the membrane.

Avoid the presence of rising damp or water counter-pressure.

Product preparation

AQUA BARRIER LASTIC is ready to use.

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

Application

Apply AQUA BARRIER LASTIC with a roller, trowel, squeegee or brush, preferably in two coats, allowing 12 to 24 hours between coats, depending on the temperature and humidity conditions. To speed up application times, the second coat can 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 advisable to reinforce AQUA BARRIER LASTIC with suitable non-woven polyester fabric reinforcement 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 thinner.

6. AVAILABILITY AND COSTS

Availability

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

Telephone: +39 059 535540

Email: info@laticreteurope.com

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

Performance characteristics according to UNI EN 11928-1		
	Value	Standard
Water impermeability (at 60 kPa)	No water passage	UNI EN 1928
Water vapour transmission properties	Class I (S _d <5m)	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 ageing 7 days at 70±3°C (Water impermeability at 60 kPa - UNI EN 1928)	No water passage	UNI EN 1062-11 Point 4.1
Acceptance criteria after exposure to heat (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 (Adhesion to substrate by traction – UNI EN 1542)	≥ 1 N/mm ²	UNI EN 13687-3
Acceptance criteria after exposure to freeze/thaw cycles (20 freeze/thaw cycles)	No swelling No cracking No flaking	UNI EN 4682-2 UNI EN 4682-4 UNI EN 4682-5
UV resistance (400 MJ/m ² , 2460 hours) and Spray (492 hours) (Visual appearance test)	Pass	UNI EN 4892-3 (cycle 3)
Acceptance criteria after exposure to UV rays/spray (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

Aqua Barrier Lastic complies with UNI 11928-1:2023 as a liquid-applied waterproofing product used as a sealing element in a continuous (new or existing) exposed walkable roofing system.

Processing characteristics

Consistency of the mixture:	Semi-thick paste, ready to use
Specific weight 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
Complete cross-linking	7 – 10 days

Prices

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

7. WARRANTY

The supplier guarantees 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 long-lasting, maintenance-free installations; however, durability and performance are strictly dependent on the type of cleaning products used.

9. TECHNICAL SERVICES

Technical Assistance

For information, contact Technical Service

Telephone: +39 059 535540

Email: info@laticreteeuropa.com

Technical and safety literature

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

Warnings

The information and instructions contained in this Technical Data Sheet, although based on knowledge acquired over years of application, are to be considered indicative. LATICRETE® cannot directly control the installation conditions and application methods of the products and therefore assumes no responsibility for their use. Those intending to use LATICRETE® products must conduct adequate site tests to determine their suitability for the intended use. Our products are covered by warranty within the limits established by our general terms and conditions of sale and within the limits of our products' compliance with the applicable technical specifications and certifications, as expressly indicated in the product data sheets or applicable technical documentation expressly provided by us with the products themselves.

10. DOCUMENTATION

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