

Licalastic Svart

Bituminous water-based elastic liquid sheath

Licalastic Svart is a bituminous, thixotropic, ready-to-use emulsion, consisting of a mixture of selected inert fillers, elastomeric resins, specific additives which, after application, confer excellent properties of adhesion, elasticity, impermeability, resistance to atmospheric agents and UV rays, preserving its main properties from -20 °C to +150 °C.



MAIN FIELDS OF USE

Licalastic Svart is used as a waterproof liquid sheath where it is not possible to use polymer bitumen membranes and a flame torch, both horizontally and vertically, to repair, seal and finish new or existing waterproofing, to renew the waterproofing of terraces and balconies without demolishing the old flooring. It can be used to bind insulating panels. Diluted 50%, it is used as an anti-dust primer on concrete before new waterproofing with **Licalastic Svart**.

For different uses, please contact our technical department.

CHARACTERISTICS

- Good elasticity even at low temperatures
- Waterproofs and protects against atmospheric agents and UV rays
- Resists the corrosive action of many acids
- Easy cold laying, without the use of a flame torch
- Perfect adhesion on polymer bitumen membranes, concrete, metals, fibre-cement, gypsum plaster, wood, ceramic tiled floors, glass.

APPLICATION METHOD

Make sure that flaking, crumbling or poorly adhering parts, paint, rust, dust, release agents are removed and thoroughly clean the surfaces which must be intact and dry. The reliability and efficiency of the water drainage points should be checked before application. Mix **Licalastic Svart** before use, then it can be applied with a roller, brush or airless sprayer, broom, float or notched squeegee. We recommend never exceeding 1 mm per coat to avoid long drying times.

Licalastic Svart can also be applied on damp surfaces provided there is no standing water. To avoid the formation of blisters on substrates with more than 5% humidity, breather vents must be applied to eliminate the condensation which forms under the waterproofing membrane (1 breather vent every 40/50 m²). It is important to know that in all applications on reinforced concrete or on any substrate where metal is present, micro cracks will form every 3 - 4 metres which always require the use of reinforcement sheets.

The sheets recommended to reinforce **Licalastic Svart** are the following:

- Texture 2000 **anti-cracking mat**, 70 g/m² micro-perforated polypropylene non-woven fabric for visible waterproofing.
- **Water Texture** 130 g/m² non-woven polyester fabric for waterproofing that will be covered with a tiled floor or cement screed.

The consumption of the product varies overall from 1.2 to 1.8 kg/m² based on the substrate and the thickness required. On average, to obtain a dried film of 1 mm, the quantity of product used will be about 1.5 kg/m². When laying the **Texture 2000** or **Water Texture**, the consumption will be about 1.8 - 2.2 kg/m².



When applied in points for bonding insulating panels, consumption is about 400-700 g/m². It is advisable to apply **Licalastic Svart** with ambient temperatures no lower than +5 °C and when snow, rain and frost are not forecast and to avoid situations of extreme cold or heat, in general. Avoid laying the product on newly applied bitumen surfaces which could still release hydrocarbons and cause adhesion problems of the film on the sheath. The recommended amount should never be exceeded for each coat in order not to block the evaporation of the water contained in the liquid product, which would otherwise remain trapped under the dried film.

All cementitious screeds must be fitted with control joints (fraction) roughly every 9 m², as required by the regulations in force.

On surfaces of over 10 m² or substrates subject to stress, we recommend always using reinforcement sheets inserted in the first coat of **Licalastic Svart** while still fresh.

Temperatures above +35 °C compromise the workability of the product because the surface of the film dries too quickly. When waterproofing foundations with **Licalastic Svart**, they must be further covered with a suitable protective system to prevent the sheath from getting damaged when being inserted. **Licalastic Svart** is suitable for occasional light foot traffic where periodic maintenance is required. To increase the duration of **Licalastic Svart**, we recommend painting it with suitable protective paint.

Do not use on substrates subject rising damp or high water pressure.

PRODUCT INFORMATION

Characteristic	Test method	Performance
Appearance		Black thixotropic paste
Chemical base		Mixture of bituminous polymers additives and elastomers
Packaging		310 ml HPE cartridges 1 kg plastic tub 5 kg plastic bucket 20 kg plastic bucket
Stability in the original packing		12 months
Density	EN ISO 2811-1	1.21 +/- 0.04 kg/l at 20 °C
Flash point		Not inflammable
Dry residue at 130°C	EN ISO 3251	53% - 59%
Brookfield viscosity at 20°C (rev. 6 to 10 RPM)	EN ISO 3219	700 P +/- 140
Drying time for covering		24/48 hours at 23 °C 50% R.H.

PERFORMANCE CHARACTERISTICS (UNI EN 1504--2:2005 – C Coatings – PI MC IR)

Permeability to CO ₂	EN 1062-6	SdCO ₂ > 50 m
Water-vapour permeability	EN ISO 7783	Class I
Capillary water absorption and liquid water permeability	EN 1062-3	W < 0,1 Kg/m ² *h ^{1/2}
Direct tensile adhesion strength	EN 1542	≥1 N/mm ²
Elongation at load	Internal test	> 1000%

WARNINGS

- Product for professional use.
- Chemical material: protect eyes and skin during the application.
- After use, wash the tools with water.
- Protect from freezing.

SAFETY

Please consult the safety data sheet for information about product disposal, storage and usage.

NOTES

This data sheet replaces and voids all previous versions.

The indications and specifications given in this document are based on our current technical and scientific knowledge. They should, however, be considered as purely indicative because we have no control over the conditions in which the product will be used. The purchaser must, therefore, check that the product is suitable for his specific requirements. Our sales and technical network guarantees rapid consultancy services and is at your disposal for any clarifications and

questions you may have about the use and application of **Licata SpA** products.

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