

Licalastic Svart

Liquid bituminous flexible water-based sealant membrane

Licalastic Svart is a thixotropic bituminous emulsion, ready to use, consisting of a mixture of selected inert fillers, elastomeric resins, special additives with excellent adhesive properties, elasticity, waterproofing, resistance to atmospheric agents and UV rays, retaining its properties even at temperatures between -20 ° C and + 150 ° C.



MAIN FIELDS OF USE

Licalastic Svart is used as waterproof liquid sealing membrane where the application of heat on polymer bitumen membranes is not possible, both horizontally or vertically, to repair, seal and finish new or existing waterproofing, to repair balconies and terraces without removing the old flooring. It can be used for bonding insulating panels. Diluted to 50% it can be used as an anti-dust primer on concrete before applying **Licalastic Svart** waterproofing.

In case of application on other surfaces, please contact the technical department.

CARATTERISTICHE

- Good flexibility even at low temperatures
- Seals and protects against atmospheric agents and UV rays
- Resists the corrosive effect of many acids
- Heat-free easy installation
- Perfect adhesion on polymer bitumen membranes, concrete, metals, fibro-cement, plasterboard, wood, ceramic floors, glass.

APPLICATION PROCEDURE

Surface preparation

Remove any loose, brittle or easily detachable parts, paint, rust, dust, oily substances. Thoroughly clean the application area so that it is completely dry.

Please check that the drain outlets are solidly fixed effectively sealed before application. Stir **Licalastic Svart** before use, then apply by roller, brush, airless spray-gun, brush, spatula or notched squeegee. Never exceed 1 mm thickness for each coat to avoid extended drying of the product. **Licalastic Svart** can also be applied on damp surfaces as long as there is no sitting water. To avoid bubbling on slabs with dampness above 5%, install special outlet vents to eliminate condensation forming under the waterproof layer (1 vent every 40/50 m²). Please note that in all applications on reinforced concrete or on any surface where there is metal, hairline cracks appear every 3 - 4 metres which always require the use of reinforcement fabric.

Recommended reinforcement fabric for **Licalastic Svart** are the following:

- Anti-crack reinforcement **Lica Armor 1000** (microperforated polypropylene non-woven fabric 60 g/m²) for exposed waterproofing.
- **Texture 2000** for under-tile waterproofing. Then prime with **LG Aggrapante** before bonding the tiles with **Super S1** cement adhesive.
- Texture 2000 for waterproofing under a cement screed.
- Texture 2000 for waterproofing metal substrates.

Product usage varies generally from 1.2 to 1.8 kg/m² depending on the surface and the desired thickness. On average, to obtain a solid membrane of 1 mm, the amount of product used will be about 1.5 kg/m². Combined with **Lica Armor 1000** or **Texture 2000** reinforcement fabric, the total usage is around 2 kg/m². Applied to anchor points for the bonding of insulating panels, usage is around 400-700 g/m².



It is recommended to apply **Licalastic Svart** in ambient temperature of not less than + 5 ° C avoiding fog, rain and frost, and extreme cold and heat conditions. Avoid spreading the product on just laid bituminous surfaces, which could still release hydrocarbons and cause problems of adhesion of the membrane. The recommended quantity must never be exceeded for each coat in order not to block the evaporation of the water contained in the liquid product, which otherwise would remain blocked under the dried membrane.

On surfaces exceeding 10 m² or under stress it is always advisable to use reinforcement fabric embedded in the first coat of **Licalastic Svart** while still wet.

Temperatures above 35° C affect the workability of the product by excessively rapid drying of the membrane on the surface. For waterproofing of foundations with **Licalastic Svart** a protective cover must be laid to prevent the membrane from being damaged during backfill operations. During maintenance **Licalastic Svart** can be occasionally walked on. To increase the life of **Licalastic Svart**, it is always advisable to paint with suitable protective paints. Do not use on surfaces subject to rising or strong water pressure.

PRODUCT DETAILS

Characteristic	Test method	Performance
Appearance		Black thixotropic paste
Chemical base		Mix of Bituminous polymers additives and elastomers
Packaging		310 ml HPE tube 1 Kg plastic pot 5 Kg plastic tub 20 Kg plastic tub
Shelf life in original packaging		12 mesi
Density	EN ISO 2811-1	1,21 +/- 0,04 kg/l a 20 °C
Flammability		Non Infiammabile
Dry residue at 130 ° C	EN ISO 3251	53% - 59%
Brookfield viscosity at 20 ° C (rot. 6 to 10 RPM)	EN ISO 3219	700 P +/- 140
TDrying time per coat		24/48 hours at 23 °C UM 50%

Performance Characteristics (UNI EN 1504-2:2005 – C Coatings– PI MC IR)

Permeability to CO ₂	EN 1062-6	Sd _{CO2} > 50 m
Water vapour permeability	EN ISO 7783	Classe I
Capillary absorption and 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 break	Internal Test	> 1000%

WARNINGS

- Product for professional use.
- Chemical material: Protect eyes and skin during application.
- After use, clean the tools with water
- Frost sensitive

SEFETY

For information on the proper disposal, storage and handling of the product, please refer to the corresponding Safety Sheet.

NOTE

This technical data sheet replaces and annuls previous versions.

The information and performance data provided in this document are based on our current technical and scientific knowledge, they are deemed as merely indicative in as much as application conditions are beyond our control. The purchaser must therefore verify the suitability of the product according to each specific case, assuming any responsibility deriving from its use. Our technical-commercial support will provide fast advice and is at your disposal for any further information on the use and workability of **licata SpA**.

Rif. Scheda: 110/17.1