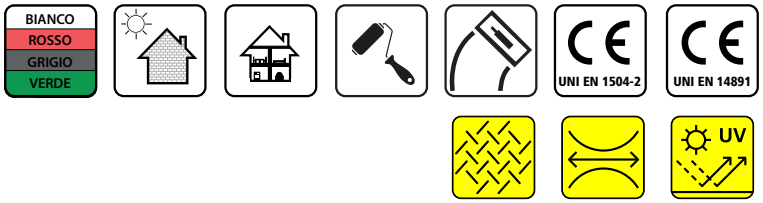
Licalastic Scud

Liquid elastomeric, fibre, coloured, water mono component waterproofing ready to use

Licalastic Scud is a mono component liquid membrane in aqueous dispersion, based on modified acrylic copolymers, synthetic fibres, inert fillers, coloured. **Licalastic Scud** is ideal for waterproofing before laying ceramic coatings, for the protection of concrete substrates and for restoring old existing bituminous waterproofing. Its particular formulation ensures a high adhesion power on the most common substrates used in the construction industry (cement, wood, metal, ceramic, retaining walls etc.). Once polymerized, it creates a lasting and resistant impermeable barrier, also in marine and industrial environments. **Licalastic Scud** can be left exposed, resists the stagnant water, is UV resistant, foot traffic resistant and does not require additional protections.



MAIN FIELDS OF USE

Licalastic Scud is particularly indicated for:

- Waterproofs and protects the walls against the ground, foundations walls, concrete terraces, coverings in general.
- Adheres on the most common substrates adopted in building such as concrete, wood, metal and ceramic, balconies, terraces, bathrooms, showers, saunas, fireplaces, cornices, basement walls and foundations.
- Restore old existing bituminous waterproofing, terraces and tiled balconies.
- Cover concrete tanks for the containment of non-drinkable water and other non acids and/or aggressive liquids.
- Certified according to **UNI EN 14891** which makes it suitable for the subsequent laying of flooring with the use of specific adhesives of the line ***licata.koll***.

To apply to different substrates, please contact our technical department.

CHARACTERISTICS

- Available in white, red, grey and green colour.

- **Licalastic Scud** meets the requirements of the **UNI EN 1504-2** according the principles PI, MC IR and preventing the penetration of atmospheric CO_2, protecting the underlying concrete from the negative consequences of carbonation, complies with the requirements laid down by **UNI EN 1504-2** according the principles PI, MC and IR.

- Durable and resistant waterproofing to atmospheric agents and UV rays.

- Perfect adherence, suitable for complex constructional details and resistant to micro-cracks.

- Can be used both horizontally and vertically and adapts to any geometry of the surface to be coated.

- Low maintenance, does not require additional protections.

- Foot traffic resistant.

- Also suitable for surfaces of industrial areas or in maritime areas.

- Product odourless, non-flammable, non-toxic, free from solvents.

APPLICATION METHOD

Preparation of substrate

Mechanically remove any flaking or easily detached parts. The surface must be free from any trace of powders, residues of surface treatments such as: detergents, oily, fats mineral or organic substances, waxes, traces of gypsum Salts and dry. Check the internal residual moisture and the need or not of laying vapour breather vents. Make sure that there is no free and stagnant water on the background, in this case it must be removed or dried. With surface moisture or phenomena of moisture negative pressure, treat the substrate with the specific primer **EpoxyCem TX** (three-component epoxy cement primer). Supports with irregularities, plasters and non finished castings, holes, gravel nests, cracks etc. must be repaired with the appropriate mortars of the family Licata Repair. The slots must be sealed with suitable polyurethane sealant **LicaFlex 100**. For powder and very dusty surfaces, as a primer it is recommended, the application of **Licalastic Scud** diluted with 50% water.
On new covers with bituminous membranes without mineral finish apply **Licalastic Scud** after a coat of **Licalastic Svart** diluted at 10%. On old bituminous sheath all discrepancies must be first removed and repaired. On new bituminous surfaces, just applied, which could still release hydrocarbons and cause adhesion problems check the adherence of the **Licalastic Scud** before proceeding with the application.
To apply to different substrates, please contact our technical department.

Preparing the mixture

Licalastic Scud is ready for use, if necessary mix manually, do not use mechanical mixers.

Application

Apply **Licalastic Scud** with smooth spatula, rubber knife or rollers (in sponge or with short hair) using a brush for the corners. The application must include at least two/three layers (at intervals of about 3 - 4 hours) with an average total consumption of 1.5-2 kg/m², which can vary depending on the nature and the porosity degree of the substrate. The successive coats must be applied cross-over with respect to the previous one. The thickness for each layer must not be > 1 mm. Subsequent applications will only improve the intervention of waterproofing, in any case the timing of laying must be respected, making always sure that the last layer is completely dry and solid.
In the presence of wide surfaces, surfaces subjected to structural movements, in correspondence of the areas subjected to greater stress, on old bituminous sheaths, drown between the first coat still fresh and the second one, a layer of nonwoven micro perforated polypropylene fabric **Lica Armor 1000** or nonwoven polyester fabric **Texture 2000**, overlapping the side flaps for at least 5 cm with a slight pressure with a clean roller on the the cured product, proceed with the laying of a third coat of **Licalastic Scud**. In the corners, edges, junctures between walls and floor and in the interface between different materials, it is recommended to use the self-adhesive strip **LicaBand BTS100**.
Make sure that the temperatures of the environment, of the background and of the product during the application are between +5°C and +35°C, that climatic conditions like fog, rain and frost are not expected, still avoid situations of extreme cold and hot even during drying.

PRODUCT INFORMATION

Characteristic	Test method	Performance
Colour		White, Red, Gray, Green
Packaging		5 and 20 kg plastic bucket
Stability in the original packing		12 months
Specific weight at 20°C	EN ISO 2811-1	1,35 kg/l ± 0,05
pH at 20 °C		8 -11
Dry residue at 130°C	EN ISO 3251	64% - 71%
Brookfield viscosity at 20°C (rev. 6 to 10 RPM)	EN ISO 3219	50.000 cP ± 10.000
Cold flexibility		-20°
Drying time		about 4 hours *
Complete drying time		about 24 hours *

* Values recorded with a temperature of 23°C and humidity of 50%. The data reported may vary in function of the thickness of the applied product and of the specific site conditions: temperature, humidity and ventilation, absorbency of the base.

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

Permeability to CO2	EN 1062-6	Sd > 50 m
Water-vapour permeability	EN ISO 7783	Class I - SD < 5 m
Capillary water absorption and liquid water permeability	EN 1062-3	W < 0,1 Kg/m²*h½
Bond strength by direct tension	EN 1542	≥1 N/mm²
Abrasion Resistance	EN ISO 5470-1	< 3 g
Impact resistance	EN ISO 6272-1	class II ≥ 10 Nm

PERFORMANCES requested according to UNI EN 14891

Characteristic	Performance
Adhesion per initial traction (point A.6.2)	> 0,5 N/mm²
Adhesion per traction after immersion in water (point A.6.3)	> 0,5 N/mm²
Adhesion per traction after the action of the heat (point A.6.5)	> 0,5 N/mm²
Adhesion per traction after freezing/thawing cycles (point A.6.6)	> 0,5 N/mm²
Adhesion per traction after immersion in a saturated solution of water and lime (point A.6.9)	> 0,5 N/mm²
Impermeability to water (A.7)	no penetration
Determination of the "crack bridging" (-5 ±1 °C) (A.8)	> 0,75

Resistance to static indentation EOTA TR 007

Load	Loading category	Result
250 N	P4	Water tightness of the product: Level L4 with a category of load P4

Resistance to static indentation EOTA TR 006

Pull Point	Punch diameter	Result
L2	≤20 mm	Water tightness of the product: Level L2

WARNINGS

- Product for professional use.
- Do not apply the product on iced or thawing substrates;
- Do not apply the product on wet substrates or in the presence of residual humidity
- Do not apply the product to a thickness > 1 mm
- After use clean the tools with hot water when the product is still fresh.
- Treat adequately the curing of the product for at least 24 hours after laying.
- Protect from direct sunlight, strong wind and rain.
- The product keeps for 12 months if stored correctly in the original packaging, place in a protected and dry place at a temperature between +5 °C and + 35 °C.

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.
Data sheet ref.: 58/19.3