

Top Layer 100 A+B

High-strength polyurethane elastic coating.



MAIN FIELDS OF USE

It is particularly suitable to:

Act as a protective layer and coloured finish of polyurethane waterproofing membranes.

Recommended applications:

Protect any type of cement substrate with a coloured final layer.

- Suitable substrates (indoors or outdoors):
- polyurethane waterproofing sheaths
- cement mortars
- concrete

CHARACTERISTICS

Easy application: Supplied in pre-dosed containers, can be applied by brush, roller or spray..

Excellent performance preserves its waterproofing properties from -30°C / +90°C.

High surface resistance, thanks to the latest generation of resins, guarantees durability and stability.

High adhesion power, adheres to most building materials, organic and mineral.

Wide spectrum of chemical resistances: marine and fresh water, detergents, diluted acids, active chlorine (max 0.5% in water).

UV stable: it retains its elastic properties and the tone of the colour even after prolonged exposure to the sun.

METHODS OF APPLICATION

Preparation of the substrate

- Test the tear strength of the substrate, it must be at least 1.5 MPa.
- Mechanically remove any flaking or easily detached parts.
- Remove any traces of: powders, detergents, oily substances, mineral or organic fats, waxes, gypsum and salts from the substrate.
- Depending on the type of surface, sandblasting, milling, shot blasting, sanding or sanding must be carried out.
- The iron surfaces to be coated must be clean, free from scale, rust, oils or other pollutants and preferably sandblasted in accordance with SSPC-SP10 to grade Sa21/2. If the sandblasting is not feasible, provide an adequate mechanical cleaning according to the standards; then apply the primer **LicaPrimer 440 A+B**.
- On cement substrates with the absence of vapour pressure, it must be applied as a base coat with approx. 50-75 g/m² of **Epoxy Floor 500 W**.
- If the surface is wet or vapour pressure is present, treat it with approx. 500-1000 g/m² of **EpoxyCem TX**.

Preparation of the product

- 1__Add all the **B** component inside the component **A** container (if already pre-dosed).
- 2__Mix for 3-4 minutes with an adequate mixer at low speed, until a perfectly homogeneous mass is obtained, free of lumps and of uniform colour.
- 3__Transfer the mixture to another empty container, to stirred again before applying it. Avoid partial mixing.

Application

1A_Spread the product with a brush, roller or spray at a rate of 150 g/m² per 70 µm of thickness, avoiding dripping and accumulations that could compromise the success of the work.

1B_For airless applications use 0.019-0.021 inch nozzles at a pressure of at least 120 bar.

2_A possible second coat can be performed after at least 12 hours from the first.

PRODUCT INFORMATION

Appearance	Fluid liquid - RAL colour chart
Mixing ratio	1 (A): 0.3 (B)
Pot life at 20°C and 50% R.H. EN ISO 9514	4 hours
Theoretical consumption	150 g/m ²
Theoretical thickness	70 µm
Dry to touch AT 20°C and 50% RH	2 hours
Subsequent coats 20°C and 50% R.H.	12 hours
Deep hardening at 20 °C and 50 % R.H.	48 hours
Full hardening at 20 °C and 50% R.H.	10 days
Storage in unopened original packaging	12 months in a dry place, at 20°C, 50% RH
Packaging	10 kg drums (A) + 3 kg drums (B) =13 kg total

WARNINGS

- Product for professional use.
- In the case of applications other than those indicated in the sheet, it is advisable to carry out a suitability check in advance and/or contact the licata Technical Service for further information.
- Always check the colour, texture and appearance before application. Any claims regarding this will not be accepted once the product has been applied.
 - Do not apply in extreme conditions such as on icy surfaces or in the presence of fog/excessive ambient humidity.
- To avoid aesthetic and functional defects, adequate shielding must be provided in case of direct exposure to sunlight.
- Make sure that the ambient, substrate and product temperatures during application and drying are between +5°C and +35°C.
 - Properly care for the product until it is completely dry and at least in the first 48-72 hours, protecting it from rain, wind, weather and direct sunlight.
 - The temperature and humidity can accelerate (if high) or slow down (if too low) even drastically the maturation process, until it stops completely.
 - The presence of scaffolding, the use of natural raw materials and the impossibility of controlling atmospheric conditions and the substrate can lead to signs of recovery and inhomogeneity for which licata SpA is not responsible.
 - The fresh product can be washed with water.

SAFETY

Protect eyes and hands during application.
 Read and keep the latest version of the Safety Data Sheet available for information on the correct disposal, storage and handling of the product.

NOTES

This data sheet replaces and voids all previous versions.
 The instructions and performance information given in this document are based on our current technical-scientific knowledge and must in any case be considered purely indicative and refer to standard laboratory conditions. The purchaser must, therefore, check that the product is suitable for his specific requirements. All the documentation necessary for the safe use of licata SpA products is available in its most up-to-date form on the **licata SpA** company website. Additionally, our technical-commercial network guarantees a quick inquiry and remains available to you for information and explanations. For further information, contact the licata Technical Service at servizio-tecnico@licataspa.it
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