



## Raso Top Bio

Transpiring fibre-reinforced NHL5-based adhesive/smoothing agent, ideal for environmentally friendly ETICS systems.



### MAIN FIELDS OF USE

#### It is particularly suitable to

Glueing and slim coating of transpiring panels **of rock wool, cork, wood fibre**  
Slim coat masonry that require high transpiration feature.

#### Recommended applications:

Paste the most common types of insulating panels (including EPS and XPS)  
Slim coat any kind of lime or cement-based surface.

- Suitable substrates (indoors or outdoors):
- Lime-based plasters
- Lime/cement-based plasters
- Clay brick
- Precast or cast-in-place concrete
- Autoclaved aerated concrete
- Old paint and coatings provided they are clean, thick and well anchored to the substrate

### CHARACTERISTICS

**Environmentally friendly** thanks to the use of materials such as NHL lime, additives and inert material of natural origin.

**The transpiring and water repellency feature** allows the creation of lightweight mortars, easy to work and lay.

**The high adhesion feature** makes it a product suitable for any substrate, exceptional for styling.

**Smooth and soft:** it allows easy application, both precision and deliberately rustic.

Conforms to **class R** of **UNI EN 998-1** and **class M5** of the **UNI EN 998-2** standard.

### HOW TO USE

#### Preparation of the substrate

The substrate must be cured, clean, flat, cohesive and free of any kind of release agent. It is always advisable to use a primer to even out absorption. If necessary, solve the capillary/saline rise in advance with **Neutral Antisale** or **licata Injecto Gel**.

- **New substrates:** no precautions beyond those indicated
- **Deteriorated or crumbling substrates:** Remove any friable, poorly cohesive or detachable parts and restore the correct flatness with **licata Naturalis** products.

#### Preparing the mixture

1\_Pour the product into a clean container, containing  $\frac{3}{4}$  of mixing water

2- Mix for about 3 – 4 minutes with a mixer at low speed gradually adding the remaining water. The product ready for application must be a homogeneous, lump-free mixture.

**Raso Top Bio** should be used as is, with the addition of clean water only. Do not split packs for partial mixing or use open bags.

#### Application

1\_Priming or moistening the substrate before application.

2\_Apply the product in 2/3 central crowns (diameter about 10 cm) of the panel and along the perimeter (rough surfaces) or in a full bed using a toothed spatula (planar and/or plastered surfaces).

**Skim coating**

- 1\_Apply a first coat evenly and flat with a smooth American spatula.
- 2\_Drown the **licataTHERM mesh 160** vertically, overlapping it along the joints by at least 10 cm.
- 3\_After at least 24 hours, spread a second coat, covering the entire reinforcement mesh.
- 4\_Finish with a sponge trowel when the product starts to dry.

To level thicknesses greater than 10 mm, it is necessary to apply another layer on top of the first hardened layer. It can be left exposed but a protective layer will prolong its useful life.

**PRODUCT INFORMATION**

Appearance	Hazelnut colour powder
Particle size	<1.0 mm
Powder consumption (Glueing)	from 4 to 5 Kg/m <sup>2</sup> for a full surface from 3.5 to 4.5 Kg/m <sup>2</sup> for points/perimeter
Powder consumption (Skim coating)	from 3.5 to 4 Kg/m <sup>2</sup> (1.1-1.2 Kg/m <sup>2</sup> per mm of thickness)
Mixing water (UNI EN 1008)	5.5-6 litres per bag (22-24%)
Workability time at 20 °C	40 minutes
Application thickness per coat	3-10 mm
Storage in unopened original packaging	12 months in a dry place between +5° and +35°C
Packaging	25 Kg

**PERFORMANCE**

Characteristic	Test method	Legal requirement	Performance
Dry density in bulk	EN1015-10		1470-1530 Kg/m <sup>3</sup>
Compressive strength	EN1015-11	CSI - CSIV	CSII
Adhesion	EN1015-12		≥ 0.13 MPa (type B)
Capillary absorption	EN1015-18	W0-W2	W0
Water vapour permeability coefficient (μ)	EN1015-19	≤ 15	≤ 12
Thermal conductivity (λ)	EN1745		0.4 W/mK
Euroclass fire resistance	EN13501-1		A1

**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](mailto:servizio-tecnico@licataspa.it)  
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