

## Raso Top 800

Fibre-reinforced mineral adhesive/skim coating made with hydraulic binders and polymer-modified resins for interiors and exteriors. Specifically designed for ETAG 004 external solid insulation such as **licatatherm** and for façade restoration work.

**Raso Top 800** is a fibre-reinforced mineral adhesive/skim coating made with hydraulic binders, polymer-modified resins, selected inert materials and latest-generation additives, specifically devised for bonding and skim coating thermal insulation panels in **ETAG 004** systems such as **licatatherm**. **Raso Top 800** boasts an excellent degree of adhesion on any traditional substrate, whether new or existing, even with extremely low absorption, making it also ideal for façade restoration work, both indoors and out. Its special formula allows professionals to apply it with extreme smoothness, achieving finishes with a superior degree of styling. Its dimensional stability, guaranteed by controlled hygrometric shrinkage, means it can be applied in variable thicknesses of between 1 and 10 mm per coat, consequently **Raso Top 800** also proves ideal as a regulating skim coating to restore flatness on horizontal or vertical substrates.



### MAIN AREAS OF APPLICATION

**Raso Top 800** can be used on the majority of substrates commonly used in construction, for work on both new and existing buildings. It is mainly intended for use in:

- **licatatherm** external solid insulation systems with classic panels such as EPS, graphite EPS, rock wool or XPS (only for low bottom board strips)
- Lime based renders
- Lime/cement based renders
- Brick
- Prefabricated concrete or cast in-situ
- Autoclaved aerated concrete
- Old paintwork and coatings provided they are clean, consistent and well anchored to the substrate

**Raso Top 800** is also used in **licatatherm** external solid insulation systems for bonding and skim coating of natural breathable panels such as wood fibre or cork.

For application on other types of substrates, please contact our engineering department.

### CHARACTERISTICS

- High adhesion: owing to the addition of specific additives, **Raso Top 800** boasts excellent adhesion to the majority of commonly used substrates.
- Regulating: **Raso Top 800** can also be used as a "regulating" product on extra thick surfaces that are not flat (up to 10 mm).
- Easy workability. The combined spreadability, easy detachment of tools and simple working are obtained thanks to the use of latest-generation additives, reducing the level of difficulty and any delays in the laying process.
- **ETA** certified: product inserted in external solid insulation systems awarded an **ETA** certificate.



- Outstanding wetting and thixotropic properties. • The special additives contained in **Raso Top 800** make for easy application both vertically as well as over-head.
- Controlled hygrometric shrinkage. the presence of fibres and the special formula of **Raso Top 800** minimise cracking.
- Outstanding styling finish. Thanks to the inert materials selected in a constant particle size curve, the finishes accomplished with **Raso Top 800** allow paint or decorative treatments to be achieved even without further working.

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## APPLICATION METHOD

### Preparing the substrate

Before applying the product, remove dust, loose or crumbling parts, clean the area of application thoroughly so that it is free of dust residue from surface treatments such as: detergents, oily substances, mineral or organic greases, waxes, traces of gypsum and salt. The application substrate must be well seasoned and, in the case of insulating sheets, any protective film should be removed.

### Preparing the mixture

You need 5.25-5.75 litres of clean water (UNI EN 1008) for every 25 kg bag (i.e. 21-23% in mass).

Pour the product into a clean tub, containing  $\frac{3}{4}$  of the mixing water, mix for around 3 minutes with a mixer at low speed, gradually adding the remainder of the water until you achieve an even thixotropic mixture without any lumps. For ideal application, leave the mixture to rest for a few minutes. Avoid splitting the packs to perform partial mixtures.

The product stored in open bags and only used in part may no longer meet the technical characteristics listed in this document.

### Application

- *Bonding*: wet the substrate before application. On unfinished and un-rendered surfaces, apply the product in 2/3 rings in the middle of the panel and along the perimeter. On rendered or flat surfaces, apply the adhesive on a full bed using a toothed trowel.

- *Skim coating*: apply a first coat using a smooth normal trowel evenly and flat, embedding the **licatatherm 160** mesh into it in vertical strips and overlapping the joints for at least 10 centimetres. Apply a second coat at least 24 hours after the first coat, so as to cover the reinforcement mesh entirely, then skim with a sponge float when the product starts to dry.

To regulate thicknesses of more than 10 mm, proceed by applying another coat onto the hardened first coat.

Do not apply **Raso Top 800** on substrates if there is a film of water on the surface, if they are completely dry (in the case of cement substrates) or in extreme conditions, such as: walls exposed to the midday sun or frozen over.

Make sure the temperature of the room, of the substrate, and of the product during application falls between +5 °C and +35 °C.

## PRODUCT INFORMATION

Appearance	Grey or white powder
Particle size	<0.8 mm and 1.2 mm
Powder consumption (bonding)	Between 4 and 6 kg/m <sup>2</sup> on full surface Between 3 and 5 kg/m <sup>2</sup> for perimeter with points
Powder consumption (skim coating)	Between 4 and 6 kg/m <sup>2</sup> 1.1 kg/m <sup>2</sup> per mm in thickness
Mixing water	21-23% of powder weight
Workability time at 20 °C	≥30 minutes
Application thickness per coat	± 1.5 mm
Application temperature	Between +5 °C and +35 °C
Storage	12 months in a dry, protected place in sealed packs, at temperatures of between +5 °C and +35 °C
Packaging	25 kg
Density	1400-1500 kg/dm <sup>3</sup>
Mixture pH	approx. 11

## PERFORMANCE LEVELS according

Characteristic	Test Method	Normative requirement	Performance
Dry bulk density	EN 1015-10		1400-1500 kg/m <sup>3</sup>
Compression resistance	EN 1015-11	CS I - CS IV	CS III
Adhesion	EN 1015-12		≥ 0.16 FP:B
Capillary water absorption	EN 1015-18	W0-W2	W0
Water vapour permeability coefficient (μ)	EN 1015-19		≤ 8
Thermal conductivity (λ)	EN 1745		< 0.45 W/mK
Reaction-to-fire Euroclass	EN 13501-1		A1

## WARNINGS

- Professional-grade product.
- Alkaline material: protect your eyes and skin during application.
- After use, wash tools with water while the mixture is still fresh.
- The room temperature and degree of humidity affect the workability, grip and drying times.
- Monitor the product curing suitably for at least the first 24 hours after laying, protect fresh mortar against rapid drying, against direct sunlight, strong wind and heavy rain.

## SAFETY

As regards the information concerning proper product disposal, storage and handling, please consult the relevant Safety Data Sheet.

## NOTES

This technical data sheet replaces and cancels all previous versions.

The indications and performance levels provided in this document are based on our current technical-scientific knowledge and in any case should be considered as purely indicative since the conditions of use are in no way under our control. The purchaser must therefore check the suitability of the product for his or her specific needs, assuming all responsibility deriving from its use. Our technical-sales network guarantees a speedy response and is at your disposal for any clarifications or queries regarding the use and processing of **licata SpA** products.

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