

Raso Top 1000

Lightweight adhesive/render plaster, polymer-modified, specific for the implementation of external insulation finishing systems with white or graphite EPS panels.

Raso Top 1000 is a universal lightweight adhesive/render plaster, polymer-modified, for indoor and outdoor use, with hydraulic binders, special lightweight aggregates, selected sands and special additives. **Raso Top 1000** is ideal for bonding and smoothing white or graphite EPS panels, for the realisation of external insulation finishing systems. Its high adhesion characteristics, together with its excellent workability and improved open time, make it ideal also as a smoothing product for the most common cement substrates used in the construction industry. The presence of special spherical, hollow and lightened aggregates, give **Raso Top 1000** good thermal/acoustic insulating properties. **Raso Top 1000** proves to be an ideal base for subsequent decorative silicates, acrylic, siloxanes coatings.



MAIN FIELDS OF USE

Raso Top 1000 can be used for the single smoothing or in a double layer with reinforcement of the most common bases used in the construction industry such as:

- Cement/concrete-based renders
- Masonry
- Bricks
- In external insulation finishing systems **licatatherm**
- Prefabricated or cast-in-place concrete
- Autoclaved aerated concrete

Its main destinations of use as adhesive/render plaster are:

- Hot wire cut panels made of foamed polystyrene
- Panels in EPS, Neopor, XPS with improved adhesion without skin
- In external insulation finishing systems **licatatherm**

For applications on different substrates, please contact our technical department.

CHARACTERISTICS

- Universal product: thanks to its special composition, **Raso Top 1000** adheres to the most commonly used substrates in the building industry.
- Good workability: the combination of smoothness, easy removal from the tools and ease of processing is obtained thanks to the use of last generation additives, reducing the difficulties and delays of the laying.
- Straightening: **Raso Top 1000** can also be used as "straightening" on surfaces which are not planar in high thickness (up to 10 mm).
- Excellent thixotropy: The special additives contained in **Raso Top 1000** allow an easy application both in vertical and overhead.
- Good insulating power: the presence of special spherical, hollow and lightweight aggregates, confer **Raso Top 1000** good thermal/acoustic insulating properties.

APPLICATION METHOD

Preparation of substrate

Before applying the product remove dust, non cohesive or friable parts, thoroughly clean the application area so that it is free of dust residues of surface treatments such as: detergents, oily substances, mineral or organic greases, waxes, traces of gypsum and salts. The substrate must be cured and in the case of insulating sheets, the protective film must be removed.

Preparing the mixture

You need 5.6-6 litres of clean water (UNI EN 1008) for every 20-kg bag (or 28-30% density).

Pour the product into a clean container, containing $\frac{3}{4}$ of the mixture water and mix for about 3 minutes by hand or machine by gradually adding the remaining water until obtaining a thixotropic and uniform mixture free of lumps, leave to rest for 1 to 2 minutes then mix again before use.

Raso Top 1000 must be used as such, with the sole addition of clean water. Do not split the packages to carry out partial mixing, the product stored in bags opened and used only in part might not respond any more to the technical characteristics listed in this document.

Application

• **Bonding:** on rough surfaces not plastered it is recommended to apply a band of product for 3-5 cm on the perimeter of the panel and 2-3 crowns in the centre.

On plastered or flat surfaces, apply a full adhesive bed using a notched trowel.

• **Smoothing:** Apply the first coat evenly and smoothly with a notched trowel, inserting **licatatherm 160** mesh in vertical strips and overlapping it on the joints by at least 10 cm. Apply the second coat using a smooth trowel at least 24 hours after the first coat so as to completely cover the **licatatherm 160** reinforcing mesh, then finish with a sponge trowel when the product starts to dry.

Unfavourable climatic conditions (direct sun, dry wind, high temperatures) or highly absorbent screeds can reduce the open time of the slurry, therefore it is necessary to constantly check that the mortar does not form a surface film, mixing it again if necessary.

A damp substrate helps extend the open time of the mixture, however, it is not advisable to further wet the mortar once mixed.

Slabs should be adjusted immediately after application.

Raso Top 1000 cures sufficiently for successive applications after 7 days at +20 °C, unless otherwise indicated based on the application conditions, type of substrate, ambient temperature, etc.

Make sure that the ambient temperature, that of the substrate and product during application is between +5 °C and +35 °C.

PRODUCT INFORMATION

Appearance	Gray and white powder
Particle size	<0.8 mm
Powder consumption (bonding)	From 2 kg/m ²
Powder consumption (smoothing)	From 2 kg/m ²
Mixing water	28-30% of the weight of the powder
Workability time at 20 °C	≥30 minutes
Application thickness per coat	from 1 to 10 mm
Application temperature	From +5 °C to +35 °C
Storage	9 months (grey) and 12 months (white) in a dry, protected place in unopened package at temperatures between +5 °C and +35 °C
Packaging	20 kg bag
pH of mixture	approx. 12



PERFORMANCE according to UNI EN 998-1

Characteristic	Test method	Legal requirement	Performance
Dry density in bulk	EN 1015-10		1000 kg/m ³
Compressive strength	EN 1015-11	CS I - CS IV	CS II
Euroclass fire resistance	EN 13501-1		A2

WARNINGS

- Product for professional use.
- Alkaline material: protect eyes and skin during application.
- After use, wash tools with water while the mixture is still fresh.
- The ambient temperature and humidity rate influence the workability, setting and drying times.
- **Raso Top 1000** is not suitable for paint.
- It is not recommended to apply the material on fresh or particularly alkaline bases.
- It is advisable to respect a minimum period of carbonation of at least four weeks.
- Take care of the product's curing period for at least 24 hours after applying, protect the fresh mortar from rapid drying, direct sunlight, strong wind and heavy rain.
- Protect the fresh mortar from quick drying, from direct sunlight, strong wind and rain.

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.

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