



Raso W160

Fibre-reinforced skim coat/adhesive for exterior insulation systems.



MAIN AREAS OF USE

It is particularly suitable to:

Smoothing and bonding EPS, graphite EPS and rock wool panels in exterior insulation systems.

Recommended applications:

Smoothing the most common substrates used in construction. Bonding standard insulating panels.

- Suitable substrates (indoors or outdoors):
- standard panels such as EPS, graphite EPS, rock wool or XPS (only for low plinth strips).
- 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

Its very high adhesive power allows for the safe and durable bonding of all kinds of panels.

Its versatility of application allows it to be used both as a skim coat and as an adhesive.

Its high mechanical strength makes it ideal even for semi-structural reinforcements.

Its smoothness and consistency allow for easy and comfortable application.

Its fibre-reinforced, controlled-shrinkage formulation minimises cracks and fissures.

Its balanced grain size results in a compact and uniform fine-textured surface.

Compliant with Standard **UNI EN 998-1** as a GP mortar.

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, prevent capillary/saline rising with **Neutral Antisale** or **licata Injecto Gel**.

- **New substrates:** no precautions other than those indicated.
- **Deteriorated or crumbling substrates:** remove all crumbling, loose or detaching parts and restore the flatness of the substrate using **licata** products.

Preparing the mixture

- 1_Pour the product into a clean container containing $\frac{3}{4}$ of the total mixing water
- 2_Mix for about 3-4 minutes with a low-speed mixer, adding the rest of the water gradually. The product ready for application should be a thixotropic, smooth and lump-free mixture.
- 3_Let it rest for 1-2 minutes, then stir again before use.

Raso R160 must be used as it is, with the sole addition of clean water. Do not split the packages to use them partially and do not use open bags.

Application_Bonding:

- 1_Wet the substrate before applying the product.
- 2_Apply the product in 2/3 central crowns (approx. 10 cm in diameter) of the panel and along the perimeter (rough surfaces) or full layer using a notched trowel (flat and/or plastered surfaces).

Application_Smoothing:

- 1_ Apply a first even and flat coat using a smooth American trowel.
- 2_ Apply **rete licataTHERM 160**, mesh vertically, overlapping it along the joints by at least 10 cm.
- 3_ After at least 24 hours, apply a second coat, covering the reinforcement mesh completely.
- 4_ Complete the work using a sponge trowel when the product starts to dry.

PRODUCT INFORMATION

Appearance	White or grey powder
Particle size	0,8 – 1,2 mm
Powder consumption (bonding)	From 4 to 6 Kg/m ² on full surface From 3 to 5 Kg/m ² for perimeter with spots
Powder consumption (smoothing)	From 4 to 6 Kg/m ² - 1.15 Kg/m ² per mm of thickness
Mixing water	21-23% of the weight of the powder
Workability time at 20 °C	>30 minutes
Application thickness per coat	
Application temperature	From +5 ° to +35 °C
Storage in unopened original packaging	12 months in a dry place between +5° and +35°C
Packaging	25 Kg
pH of mixture	approx. 11

REQUIRED PERFORMANCE ACCORDING TO UNI EN 998-1

Characteristic	Test method	Legal requirement	Performance
Dry density in bulk	EN1015-10		1400-1500 Kg/m ³
Compressive strength	EN1015-11	CSI - CSIV	CSI
Adhesion	EN1015-12		≥ 0,14 MPa
Fracture pattern	EN1015-12	A,B,C	B
Capillary absorption	EN1015-18	W0-W2	W0
Water vapour coefficient (μ)	EN1015-19		≤ 8
Thermal conductivity ()	EN1745		0,45 W/mK
Euroclass fire resistance	EN13501-1		A1

WARNINGS

- Product for professional use.
- For applications other than those indicated on the data sheet, it is best to perform a suitability check beforehand and/or contact Licata Technical Service for further information.
- Before application, always check that the colour, consistency and appearance correspond. Any claims regarding this will not be accepted once the product has been applied.
- Do not apply the product in extreme conditions, such as on frozen substrates or in the presence of fog/excessive 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 are between +5°C and +35°C during application and drying.
- Take care of the product until it is completely dry and at least for the first 48-72 hours, protecting it from rain, wind, adverse weather conditions and direct sunlight.
- The temperature and humidity levels can accelerate (if high) or slow down (if too low) the curing process, even drastically, and they can even stop it altogether.
- The presence of scaffolding, the use of natural raw materials and the impossibility of controlling the atmospheric and substrate conditions can lead to signs of shrinkage and unevenness for which Licata SpA shall not be held 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 of the documents required for the safe use of **licata SpA** products is available in their most recent versions on the company website www.licataspa.it. Moreover, our technical-commercial network guarantees rapid consultancy and is at your disposal for information and explanations. For further information, contact the Licata Technical Service at servizio-tecnico@licataspa.it

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