Raso R140

Fibre-reinforced skim coat for rough plasters and insulating panels.

GREY
WHITE

MAIN AREAS OF USE

It is particularly suitable for:
Fine and medium-fine smoothing of insulating panels.
Recommended applications:
Smoothing of even medium thicknesses of the most common building materials.

- Suitable substrates (indoors or outdoors):
- EPS, graphite EPS or XPS insulating panels (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 versatility of application allows it to be used on all kinds of surfaces.
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 ¾ 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 R140 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.

Applicazione

1_Apply the product using a spatula within 60 minutes of mixing, in two coats spaced 2 to 24 hours apart, depending on the weather conditions.

2_Each layer must not be more than 2 mm thick
3_Complete the work using a sponge trowel, spraying the surface with water and/or wetting the tool.

For special substrates (thermal cellular concrete blocks, gasbeton, etc.), on which direct smoothing is possible without the need for plaster more than 10 mm thick, it is strongly recommended to place ***licata*THERM 160 mesh**, with its anti-cracking function, between the first and last coat. It should be applied in vertical strips and overlapping it along the lateral edges for at least 10 cm.

PRODUCT INFORMATION

Appearance	White or grey powder
Particle size	<0,5 mm 0,8 mm 1,2 mm
Powder consumption	4 a 5 Kg/m² - (1.15 Kg/m² per mm of thickness)
Mixing water	22-24% of the weight of the powder
Workability time at 20 °C	~ 60 minutes
Application thickness per coat	~ 2 mm
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

REQUIRED PERFORMANCE ACCORDING TO UNI EN 998-1

Characteristic	Test method	Legal requirement	Performance
Dry density in bulk	EN1015-10		1400-1500 Kg/m³
Compressive strength	EN1015-11	CSI - CSIV	CSI
Adhesion	EN1015-12		≥ 0,11 MPa FP: B
Capillary absorption	EN1015-18	W0-W2	W0
Water vapour coefficient (μ)	EN1015-19		≤ 9
Thermal conductivity (λ)	EN1745		< 0,5 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
Data sheet ref.: TDS P10012 - rev.07/21.

licata S.p.A.
via A. De Gasperi, 155
92024 Canicattì (AG) - Italia