

Kalor Wall 165

Lightened premixed plaster, for interior and exterior use, with high thermal insulating power.



MAIN AREAS OF USE

It is particularly suitable to:

Kalor Wall 165 is designed to ensure a good degree of thermal insulation on most new or existing bases. The formulation, specially designed for vertical and horizontal applications, makes it suitable on substrates like.

Recommended applications:

- Concrete, even prestressed
- Bricks and similar materials
- Steel and sheet metal
- Buildings for civil and industrial use

CHARACTERISTICS

Its excellent versatility makes it easy to apply on any vertical and horizontal surface

Its high flowability, combined with easy release from tools, facilitates application

Its high insulating power makes it an ideal product to enhance insulation

Its low specific weight improves its yield and allows for it to be applied even in thick layers

HOW TO USE

Preparation of the substrate

The substrate must be 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

1A_Pour the product into a special plastering machine.

1B_Pour the product into a clean container containing $\frac{3}{4}$ of the total mixing water.

2_Mix for at least 5 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 (it is recommended not to mix the mixture for more than 10 minutes).

Application

NOTE In the case of application by machine it is necessary to prepare the plastering machine with full blade helical mixer, specific buffer for light products, long-pitch screw and 14mm Dm nozzle or plug.

1_Apply an initial thickness of about 1 cm of plaster over the whole surface as rough coat.

2_After the completion of the setting phase (from 4 to 24 hours depending on climatic temperatures) proceed with the application of a second layer (maximum 2.5 - 3.0 cm).

For larger thickness repeat the same procedure described up to a maximum of 12 centimetres.

Once the laying is complete, wait for the plaster to harden (24-96 hours depending on the weather conditions) and then grate the surface using a robot, American trowel and/or straight edge. After at least 7 days (make sure that the plaster is completely cured), it is possible to proceed with the application of the skim coat using one of the products from the **licata Finish** range.

PRODUCT INFORMATION

Appearance	Grey powder
Particle size	≤2 mm
Powder consumption	1.5 kg/m ² every 10 mm of thickness
Mixing water	5 – 6 Litres per 50 L bag (67- 80 % by weight)
Workability time at 20 °C	40 min
Application thickness per coat	≤2,5 cm
Application temperature	From +5° to +35°C
Storage in unopened original packaging	12 months in a dry place between +5° and +35°C
Packaging	50 litres bag
Apparent density	150 g/dm ³

PERFORMANCE

Characteristic	Test method	Performance
Dry bulk density (kg/m ³)	UNI EN 1015-10	165 g/dm ³
Compressive strength	UNI 6132	1,61 MPa
Flexural strength	UNI 6133	0,42 N/mm ²
Adhesion to the substrate	UNI EN 1015-12	0,1 N/mm ²
Capillary absorption (category) (for mortars for exterior use)	UNI EN 1015-18	0,1 kg/m ² s ^{0,5} W1
Specific heat:	UNI EN 998-1	0,24 kcal/kgK
Water vapour permeability coefficient (μ)	UNI EN 1745	9
Thermal conductivity 10.mat.asc.-value (W/m*K) (for mortars to be used in the elements subjected to thermal requirements)	UNI EN 1015-19	0,058 W/mK
Reaction to fire (class)	UNI EN 12667	A2-s1,d0

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.licataspaspa.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@licataspaspa.it

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