



Licacem Fibro

High performance, fibre-reinforced plaster mortar.



MAIN AREAS OF USE

It is particularly suitable to:

Semi-structural and stabilising plastering.

Recommended applications:

Plastering vertical surfaces made of the most common building materials.

- Suitable substrates (indoors or outdoors):
- Brick walls
- Clay brick
- Concrete blocks
- Precast or cast-in-place concrete

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 high gripping power allows it to adhere to most common building materials.

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

HOW TO USE

Preparation of the substrate

Il sottofondo deve essere stagionato, pulito, planare, coeso e privo di ogni genere di sostanza distaccante. È sempre consigliato l'utilizzo di un primer per uniformare l'assorbimento. Se necessario, risolvere preventivamente la risalita capillare/salina con **Neutral Antisale** o **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.

NOTE Joints of different elements must be reinforced with a special fibreglass, alkali-resistant mesh buried in the surface part of the plaster. To ensure the walls are sealed, it is advisable to put edge protectors or H-sections in the corners and vertical guides in the walls.

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.

Licacem Brick M5 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

- 1_Apply the product using a spatula, in thicknesses between 10 and 25 mm in a single layer (in the case of spray application, proceed from the bottom to top)
- 2_Straighten using a H-shaped straight edge or knife, smoothing horizontally and vertically, until a flat surface is achieved.

For thicknesses above 25 mm, add more layers waiting at least 24 hours before applying the next one, always taking care to roughen the substrate layer using a hard grout trowel.

This operation is essential for any subsequent work and it must always be performed 1.5 - 4 hours after application, depending on the environmental conditions.

Licacem Fibro, smoothed with suitable products from the **licata Finish**, range, is an ideal substrate for low thickness decorative plasters (e.g. silicate, acrylic, siloxane coatings) or for paint, available in the **licata Coat** or **Paint** ranges.

PRODUCT INFORMATION

Appearance	Grey powder
Particle size	<1,5 mm
Powder consumption	13.5 kg/m ² every 10 mm of thickness
Mixing water	16%-20% of weight of powder
Workability time at 20 °C	80 minutes
Application thickness per coat	10-25 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
Density	1470-1570 Kg/dm ³

PERFORMANCE ACCORDING TO UNI EN 998-1

Characteristic	Test method	Legal requirement	Performance
Compressive strength	UNI EN 1015-11		CS III
Flexural strength	UNI EN 1015-11		≥1,8 N/mm ²
Adhesive strength and fracture pattern	UNI EN 1015-12		≥0,6 N/mm ² -B
Capillary absorption	UNI EN 1015-18		W0
Water vapour permeability coefficient	UNI EN 1015-19		≤ 20
Thermal conductivity	UNI EN 1745:2002		0,40 (W/m*K)
Fire resistance	EN 13501-1		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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