



Licacem Brick M5

Cementitious mortar for bedding and grouting.



MAIN AREAS OF USE

It is particularly suitable to:

Being used as a grouting mortar on brick and earthenware walls.

Recommended applications:

Grouting, bedding and finishing all kinds of masonry.
Reinforcing walls.

- Suitable substrates (indoors or outdoors):
- Exposed brickwork
- Earthenware
- Natural stone
- Concrete blocks
- Limestone, sandstone, tuffaceous rocks, etc.

CHARACTERISTICS

Its extreme versatility allows it to be used both for semi-structural bedding and for grouting

Its high smoothness, conferred by very fine aggregates and cellulose, simplifies application

Its high gripping power allows it to adhere to any surface, even without primer

Its chemical and mechanical strength makes it ideal for indoor and outdoor use

Its controlled hygrometric shrinkage ensures a surface free of cracks and fissures

Compliant with Standard **UNI EN 998-2** as a bedding mortar

HOW TO USE

Preparation of the substrate

Before applying **Licacem Brick M5** perform the following operations:

- In the case of **stone, brick or mixed masonry**, all deteriorated or inconsistent parts must be removed. Eliminate any pre-existing bedding mortars, old skim coats, loose plaster or coats of filler that are becoming detached and then clean the surface with high-pressure water.
- In the case of **crumbly or weak substrates**, apply a coat of **NanoPrimer** 24 h before the intervention.

NOTE Before each intervention, the substrates must be wetted thoroughly and brought to SSD conditions (Saturated-surface-dry). In all cases, the substrate must be cured, clean, flat, cohesive and free of any kind of release agent.

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

New masonry:

1_Create the laying bed by applying the product on the surface using a trowel

2_Lay the construction elements on it, pressing them down slightly to position them correctly

3_Remove any excess mortar.

Grouting existing masonry:

- 1_ Apply the product between the bricks, pressing it slightly to promote adhesion
- 2_ Remove the excess mortar immediately after application
- 3_ Complete the grout lines using a damp sponge, specific iron tools, brushes, combs, etc.

N.B. On walls that are highly exposed to atmospheric agents, it is advisable to apply the hydrophobising product **Hidro Rep**; this simple operation will guarantee suitable protection from rainwater and polluting agents, while keeping the vapour permeability characteristics of the substrate unchanged.

PRODUCT INFORMATION

| | |
|--------------------------------|-------------------------------------------------------------------------------------------------|
| Appearance | Grey powder |
| Particle size | <1,5 mm |
| Powder consumption | 16 Kg/m ² per 10 mm of thickness |
| Mixing water | 13%-15% of weight of powder |
| Workability time at 20 °C | >180 minutes |
| Application thickness per coat | 6-20 mm |
| Application temperature | From +5° a +35°C |
| Storage | 12 months in dry, protected place in unopened packaging, at temperatures between +5°C and +35°C |
| Packaging | 25 Kg |

PERFORMANCE

| Caratteristica | Metodo di prova | Requisito normativo | Prestazione |
|------------------------------|-----------------|---------------------|-------------|
| Densità asciutta in massa | EN 1015-10 | | 1470-1500 |
| Resistenza a compressione | EN 1015-11 | M5 | ≥8 MPa |
| Adesione | EN 1015-12 | | ≥0,22 MPa |
| Schema di frattura | EN 1015-12 | A,B,C | B |
| Contenuto ioni cloruro | EN 1015-17 | <0,01% | 0,00% |
| Euroclasse reazione al fuoco | 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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