



1. DESCRIPTION

Lightweight and insulating premix of Leca® expanded clay with a particle size between 0 mm and 10 mm, with hydraulic binder and additives, quick drying

2. USES

Lightweight concrete for filling and regularization of interior and exterior floors, with a single layer application. It allows thermal and acoustic improvement of the floors.

Suitable for application in new constructions and rehabilitation projects, in thicknesses over 5 cm.

3. LIMITATIONS OF USE

The coatings associated with this solution are ceramic, natural stone and floating floor. Other coatings involve other tasks prior to application.

4. COMPOSITION

- Hydraulic binder
- Lightweight aggregates Leca®
- Additives

5. CHARACTERISTICS OF USE

Standby time before pedestrian movement: 24 hours

Use the contents of each bag in one go.

6. PROPRIETIES

- Compressive strength 28 days: $\geq 5 \text{ N/mm}^2$ (5 MPa)
- Flexural strength 28 days: $\geq 2 \text{ N/mm}^2$ (2 MPa)
- Fire behavior: **Incombustible (Class A1)**
- Density after dried: 1000 kg/m^3
- Thermal Conductivity (EN 1745-2002), $\lambda_{10, \text{dry}} = 0.30 - 0.32 \text{ W/m.K}$

Note: These results were obtained in laboratory tests and may vary depending on the application conditions.

7. PREPARING THE SUPPORT

The support must be consolidated, dry and free of any impurities that make the material difficult to adhere.

Pipes should be well insulated.

8. APPLICATION

Mixing can be done with concrete mixer or with a continuous mixer (manual or pump application).



Mix Leca® Uno with water (4.5 liters / bag) for as long as necessary to obtain a homogeneous mixture with a shiny look. If using a continuous mixer the% water should be adjusted to the type of machine.

Spread the material throughout the area to be filled. Level to the desired thickness, using a ruler and regularize with manual or electric trowel.

Keep the material moist in the first few hours and perform retraction joints, if necessary. After drying the material is ready to be coated with ceramic, natural stone or floating floor.

9. RECOMENDATIONS

Use the contents of each bag in one go.

In large areas it is recommended to perform perimeter joints.

In the case of ground floors, the support and walls must be properly waterproofed.

Do not use excess water as the excess water can enhance the flow of the binding layer to the base of the filling layer.

If it is a floor with mechanical instability, use a steel mesh.

10. YIELD

- 2 bags of 25 l/m²/layer of 5cm thick.

11. SAFETY RECOMMENDATIONS IN USE

Due to the presence of cement in the composition, the product is considered to be an irritant to the eyes, respiratory tract and mucous membranes.

As an individual protection measure, non-absorbent gloves and work clothing should be worn to prevent product contact with the user.

PRESENTATION

25 liter plastic bag – Europallet with 40 bag pallets (1 m³).

COLOR

Gray.

CONSERVATION

12 months from the date of manufacture, in original sealed packaging and protected from moisture.



The indications of use and technical data on the product are presented in good faith and are based on accumulated experience and knowledge, in typical use situations. The conditions of application and use may influence the behavior of the product, so it is advisable to perform checks and tests in each specific situation.

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