

1. DESCRIPTION

Light and insulating pre-mix of Leca® expanded clay with a granulometry between 0 mm and 10 mm, with hydraulic binder and additives.

2. USES

Lightweight concrete for filling and leveling interior and exterior floors, applied in a single layer. Each bag weighs 15-17kg.

Allows for thermal and acoustic improvement of the floors. Suitable for application in new constructions and rehabilitation works, in thicknesses from 4 cm (minimum thickness).

3. LIMITS OF USE

The coverings associated with this solution are ceramic, natural stone and floating flooring. Other coatings – linoleum, vinyl, etc. - imply other tasks before their application.

4. COMPOSITION

- Hydraulic binder •
- Leca® lightweight aggregates
- Additions

5. USE CHARACTERISTICS

Waiting time before pedestrian circulation: 24 hours.

Use the contents of each bag at once.

6. BENEFITS

- Compressive strength 28 days: $\dot{y}5$ N/mm² (5 MPa) •
- Bending strength 28 days: $\dot{y}2$ N/mm² (2 MPa) • Fire behavior: non-combustible (Class A1) • Hardened density: 1000 kg/m³ • Thermal conductivity (according to EN 1745-2002), $\dot{y}10$,dry = 0.30 - 0.32 W/mK

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

7. SUPPORT PREPARATION

The support must be consolidated, dry and free from any impurities that make it difficult for the material to adhere. Piping must be well insulated.



8. APPLICATION

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

Mix Leca® Uno with water (6 liters/bag) for as long as necessary to obtain a homogeneous mixture with a shiny appearance. If using a continuous mixer, the amount of water must be adjusted to the type of machine.

Spread the material over the entire area to be filled. Level to the desired thickness using a ruler and level with a manual or electric trowel.

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

9. RECOMMENDATIONS

Use the contents of each bag at once.

In large areas, perimeter joints are recommended.

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

Do not use excess water as excess water may cause the binding layer to run down to the base of the filler layer.

In the case of a floor with mechanical instability, reinforce the infill layer with an equivalent type of mesh.

10. CONSUMPTION

> 2 bags of 25 litres/m² / 5 cm thick cover.

11. SAFETY RECOMMENDATIONS IN USE

Due to the presence of a hydraulic binder in the composition, the product is considered irritating to the eyes, respiratory tract and mucus.

As an individual protection measure, wear non-absorbent gloves and work clothes that prevent the product from coming into contact with the user.

PRESENTATION

25 liter plastic bag – Europalette with 40 bags (1 m³).

COLOR

gray

CONSERVATION

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

Indications for use and technical data about 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 carry out checks and tests in each specific situation.