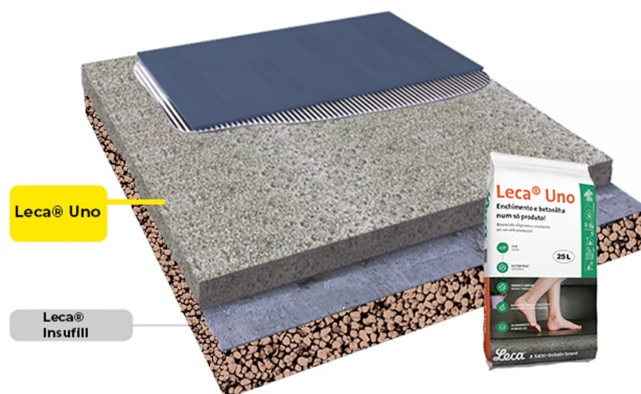


# LECA® UNO LIGHTWEIGHT CONCRETE (25L BAGS)

## Pre-mixed lightweight concrete for filling & levelling

- Interior Floors
- Exterior floors
- Slopes on roofs
- General void fill applications
- Light Support to set drainage pipes
- 42% lighter than traditional screed\*



## Application

- Lightweight concrete applied in a single layer.
- Thermal and acoustic improvement of floors.  
Suitable for application in new construction and rehabilitation works.
- Applied in thicknesses from 4 cm (minimum thickness), can be final surface covered without Screed

natural stone

floating flooring.

linoleum, vinyl, laminates

## Application

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

## Solutions

Leca® Uno (15-17kg/ 25L Bag) for filling and leveling interior and exterior floors, applied in a single layer - increasing thermal and acoustic improvement of floors.

Suitable for application in new construction and rehabilitation works, in thicknesses from 4 cm (minimum thickness).

Mix Leca® Uno with water (5 litres/bag) to obtain a homogeneous mixture with a shiny appearance.

- If you use a continuous mixer, the amount of water must be adjusted to the type of machine.
- Spread the material across the entire area to be filled.
- Level to the desired thickness using a level and regularize with a manual or electric trowel.
- Keep the material moist for the first few hours and create retraction joints, if necessary.

- After drying (24 hours), the material is ready to be covered with ceramic material, natural stone or floating flooring or screed.
- Coverage/ 2 x 25Ltr bag Yield: 50mm thickness cover/ m2

## Product Specification:

- **Compressive strength 28 days:**  $7,4 \pm 0,6$  N/mm<sup>2</sup> ( $7,4 \pm 0,6$  MPa)
- **Flexural strength 28 days:**  $2,3 \pm 0,6$  N/mm<sup>2</sup> ( $2,3 \pm 0,6$  MPa)
- **Fire behaviour:** non-combustible (Class A1)
- **Hardened density:**  $826 \pm 2$  Kg/m<sup>3</sup>
- **Thermal conductivity (according to EN 1745-2002),  $\lambda_{10,dry}$**  = 0.30 - 0.32 W/mK
- **Thermal conductivity of the hardened mixture and dry:**  $\lambda_{10, seco}$  = 0,2768 W/m.°C
- **Thermal resistance of the hardened and dried mixture:** R = 0,19 m<sup>2</sup>.°C/W
- **Sound insulation index for air conduction sounds  $R_w$  (range:  $R_w \leq 72$  dB) for 5 cm filling (there are results for 10 and 20 cm fillings; consult Leca UK):** -  $R_w$ , without reinforcement (C100-3150; Ctr 100-3150; C100-5000; Ctr 100-5000) = 52 (-1;-5;0;-5) dB -  $R_w$ , with reinforcement (C100-3150; Ctr 100-3150; C100-5000; Ctr 100-5000) = 55 (-1;-3;0;-3) dB
- **Reduction in the transmission of percussion sounds  $\Delta L_w$  (range:  $\Delta L_w \leq 50$  dB) for 5 cm filling (there are results for 10 and 20 cm fillings; consult Leca UK):**  $\Delta L_w$  (Cl, $\Delta$ ) = 8 (-2) dB
- **Coverage/ 2 x 25Ltr bag Yield:** 50mm thickness cover/ m2

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

## Overview

### Lightweight concrete applied in a single layer.

Thermal and acoustic improvement of floors.

Suitable for application in new construction and rehabilitation works.

- **Allow for 24 hours to set before pedestrian surface mobility.**
- **Use the contents of each bag at once.**

Applied in thicknesses from 4 cm (minimum thickness)

1. natural stone
2. floating flooring.
3. linoleum, vinyl, laminates

## Delivery

The 25 litre bags weigh 15kg-17kg and are easily portable. There's no mess, no need for heavy machinery, no heavy lifting and no waste.