

## 1. General

1.1. Leca<sup>®</sup> Insulation fill can provide a method of enhancing the thermal insulation and act as hardcore below concrete floor slabs in new and refurbished construction. The product will readily accommodate service runs below the concrete slab.

## 2. Limitations of use

- 2.1. Leca<sup>®</sup> Insulation fill is designed for use below correctly designed and detailed ground floor concrete slabs which must be capable of uniformly distributing the load to the fill.
- 2.2. Leca<sup>®</sup> Insulation fill can be used levelled without mechanical compaction up to a depth of 400mm and thereafter compacted in 600mm layers up to a total maximum depth of 3000mm to provide insulation and support loading from ground floor slabs of up to 100kN/m.
- 2.3. A waterproofing membrane must be fitted over the surface of the Leca<sup>®</sup> in line with current building regulations.

## 3. Product performance

- 3.1. Leca<sup>®</sup> Insulation fill is designed to provide a method of enhancing the thermal insulation and act as both hardcore and sand blinding below new and refurbished ground floor slabs. The product will readily accommodate services below the concrete slab.
- 3.2. Leca<sup>®</sup> Insulation fill will support combined dead and live loads up to 100 kN/m<sup>2</sup> for ground floor slabs. Tests have shown that the Weber Leca<sup>®</sup> Insuffill has adequate strength to resist uniformly distributed loads without excessive deflection or long term permanent deformation.
- 3.3. Leca<sup>®</sup> Insulation fill should remain effective for the life of the construction for which it is specified, provided it is installed in accordance with the manufacturer s recommendations for installation.

## 4. Storage and handling

- 4.1. Leca<sup>®</sup> Insulation fill can be stored on site in the open and is weather tolerant, although the product may absorb water and therefore become heavier.
- 4.2. Leca<sup>®</sup> Insulation fill is easily handled on site in both bagged and loose applications. Weber Leca<sup>®</sup> Insuffill can be transferred by bulk blowing vehicle up to a distance of 30 meters horizontal and 10m vertically

## 5. Environment

- 5.1. Leca<sup>®</sup> Insulation fill is water permeable. Leca<sup>®</sup> Insulation fill should not promote surface or inter condensation when designed and installed in accordance with the appropriate Clause of BS 5250 : Codes of practice for control of condensation in buildings
- 5.2. Moisture is prevented from entering the building from the ground by means of a damp proof membrane over the surface of the Leca<sup>®</sup> Insulation fill

## 6. Thermal

- 6.1. See CE Declaration

## 7. Durability

- 7.1. Leca<sup>®</sup> Insulation fill tshould remain effective for the life of the construction for which it is specified provided it is installed in accordance with the manufactures instructions.

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	<b>Leca<sup>®</sup> 10-20mm</b> Lightweight Expanded Insulation Fill	<b>1m<sup>3</sup> pallet packs</b> (21 x 50 Ltr bags)	<b>1.5m<sup>3</sup> pallet packs</b> (30 x 50 Ltr bags)								
Product Code	<b>7897</b>										
Particle Size (mm)											
Approx' Density (Kg / m <sup>3</sup> )		<table border="1"> <tr> <td>21 bags</td> <td>Approx' 7m<sup>2</sup> coverage at 150mm thick</td> </tr> <tr> <td>Approx' Pallet Size</td> <td>W L H 800 x 1200 x 1200 (mm)</td> </tr> </table>	21 bags	Approx' 7m <sup>2</sup> coverage at 150mm thick	Approx' Pallet Size	W L H 800 x 1200 x 1200 (mm)	<table border="1"> <tr> <td>30 bags</td> <td>Approx' 10m<sup>2</sup> coverage at 150mm thick</td> </tr> <tr> <td>Approx' Pallet Size</td> <td>W L H 800 x 1200 x 1650 (mm)</td> </tr> </table>	30 bags	Approx' 10m <sup>2</sup> coverage at 150mm thick	Approx' Pallet Size	W L H 800 x 1200 x 1650 (mm)
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