# DECLARATION OF PERFORMANCE

in accordance with EU Construction Products Regulation (CPR) No 305/2011
and Commission Delegated Regulation (EU) No 574/2014

**No.** DoP – PT – 0007 – 05

1. Unique identification code of the product-type:
(0007) Leca® L

2. Intended use/s:
Lightweight aggregate obtained by processing natural materials. For use in concrete, prefabrication and mortars on buildings, roads and civil engineering works. In-situ thermal insulation formed from expanded clay lightweight aggregate products. For use in thermal insulation of roofs, ceilings, floors and ground floors.

Notified body/ies:
SGS-ICS –SERVIÇOS INTERNACIONAIS DE CERTIFICAÇÃO, notified production control certification body Nº 1029
LGAI TECHNOLOGICAL CENTER, S. A. / Applus, notified testing laboratory nº0370

3. Manufacturer:
Leca Portugal, S.A.
Estrada Nacional 110 S/N
3240-356 Avelar, Portugal
Tel:(+351) 236 62 06 00 / Fax: (+351) 236 62 06 20
www.leca.pt

4. Authorised representative:
Saint-Gobain Weber France
B.P. 84 – Rue de Brie – SERVON
F – 77253 BRIE COMTE ROBERT CEDEX
www.weber.fr

Leca UK
Regus House
Herons Way – Chester Business Park
Chester – GH4 9WR – UK
www.leca.co.uk

Saint-Gobain Sweden AB
Box 415, Norra Malmvägen 76
SE-191 24 Sollentuna, Sweden
www.leca.se

5. System/s of AVCP:
System 2+
System 3
System 4

6. Harmonised standard:
EN 13055-1:2002/AC:2004
EN 14063-1:2004/AC:2006

7. Declared performance/s:

| **Essential characteristics** | | **Performance** Harmonised standard: EN 13055-1:2002/AC:2004 | **System/s of AVCP** |
|---|---|---|---|
| Particle shape | | Approximately spherical | 2+ |
| Particle size | | 10 - 20 mm [ 15-90]% passed | |
| Loose bulk density | | 275 kg/m$^3$ (± 15 %) | |
| Percentage of crushed particles | | ≤ 25% weight | |
| Cleanliness | | NPD | |
| Resistance to fragmentation/ crushing | | ≥ 0,7 N/mm$^2$ | |
| Composition/content | Chloride | < 0,1 % | |
| | Acid soluble sulfate | < 0,4 % $SO_3$ | |
| | Total sulfur | < 0,2 % S | |
| Volume stability | | NPD | |
| Water absorption | | <38 % dry mass | |
| Dangerous substances:<br><br>Emission of radioactivity<br>Release of heavy metals<br>Release of polyaromatic carbons<br>Release of other dangerous substances | | <br><br>NPD<br>NPD<br>NPD<br>NPD | |
| Durability against freeze/thaw | | Durable according to long term experience in Nordic climate | |
| Durability against alkali-silica reactivity | | NPD | |

| Essential characteristics | | Performance<br>Harmonised standard:<br>EN 14063-1:2004/AC:2006 | System/s of AVCP |
|---|---|---|---|
| Reaction to fire | | Class A1 | 4 |
| Water permeability | | NPD | 3 |
| Release of dangerous substances to the indoor environment | | NPD | |
| Thermal resistance | Thermal conductivity | ≈ 0,110 W/m°C | |
| | Loose bulk density | 275Kg/$m^3$ (± 15%) | |
| | Aggregate size | 10 - 20 mm [ 15-90]% passed | |
| Water vapour transmission | | NPD | |
| Crushing resistance | | ≥ 0,7 N/mm2 | |
| Durability of reaction to fire against ageing/degradation | | Unchangeable in time | |
| Durability of thermal resistance against ageing/degradation | | Unchangeable in time | |
| Durability of compressive strength against ageing/degradation | | Unchangeable in time | |

NPD = No Performance Determined | AVCP =Assessment and Verification of Constancy of Performance

8. Appropriate technical documentation and/or specific technical documentation:
Not applicable

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

*Cristina Maria Serra Silveiro Freire*

Avelar 2019.02.11