



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 – 0014 – 04

1. Unique identification code of the product-type:
(0014) Geo Leca®
2. Intended use/s:
Lightweight aggregate obtained by processing natural materials for bituminous mixtures and surface treatments and for unbound and bound applications. Thermal insulation and light weight fill formed from expanded clay LWA products as covered by the scope of this standard. For use in thermal insulation and light weight fill for roads, railways and other civil engineering.
Notified body/ies:
SINTEF Building and Infrastructure, notified testing laboratory n°1071
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:
Leca UK
Regus House
Herons Way – Chester Business Park
Chester – GH4 9WR – UK
www.leca.co.uk
5. System/s of AVCP:
System 3
System 4
6. Harmonised standard:
EN 13055-2:2002/AC:2004
EN 15732:2012

7. Declared performance/s:

| Essential characteristics | | Harmonised standart: EN 13055-2:2002/AC:2004 | System/s of AVCP |
|--|----------------------|---|------------------|
| Particle shape | | Approximately spherical | 4 |
| 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 | |
| Volume stability | | NPD | |
| Water absorption | | <38 % dry mass | |
| Water suction height | | NPD | |
| Composition/content | | NPD | |
| Release of heavy metals by leaching | | NPD | |
| Release of other dangerous substances | | NPD | |
| Durability against freeze/thaw | | Durable according to long term experience in Nordic climate | |
| Essential characteristics | | Harmonised standart: EN 15732:2012 | System/s of AVCP |
| Reaction to fire | | Euroclass A1 (WT) Commission Decision 96/603/CE as amended by 2000/605/CE | 4 |
| Water permeability | | > 10 ⁻³ m/s (tabulated value) | 3 |
| Release of dangerous substances | | NPD | |
| Thermal resistance | Thermal conductivity | (λ10,dry) 0,12 W/m.K (tabulated value) | |
| | Loose bulk density | 275 kg/m ³ (± 15%) | |
| | Aggregate size | 10-20mm [15-90]% passed Applied clause 6 of EN 13172:2012 | |
| Water vapour transmission | | 2 (tabulated value; EN ISO 10456) | |
| Compressive strength | | CS (10): > 600 kPa CS (2) : > 250 kPa | |
| Resistance to dynamic loads | | < 1,0 % (120 kPa, 2.000.000 cycles) | |
| 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 | |
| Durability of resistance to dynamic loads against ageing/degradation | | Unchangeable in time | |
| Durability against chemicals and biological attack | | Durable | |

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

Cristina Freire
