



## 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 N° 1029

LGAI TECHNOLOGICAL CENTER, S. A. / Applus, notified testing laboratory n°0370

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](http://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](http://www.weber.fr)

Leca UK

Regus House

Hérons Way – Chester Business Park

Chester – GH4 9WR – UK

[www.leca.co.uk](http://www.leca.co.uk)

Saint-Gobain Sweden AB  
 Box 415, Norra Malmvägen 76  
 SE-191 24 Sollentuna, Sweden  
[www.leca.se](http://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 <sup>3</sup> (± 15 %)		
Percentage of crushed particles	≤ 25% weight		
Cleanliness	NPD		
Resistance to fragmentation/ crushing	≥ 0,7 N/mm <sup>2</sup>		
Composition/content	Chloride		< 0,1 %
	Acid soluble sulfate		< 0,4 % SO <sub>3</sub>
	Total sulfur		< 0,2 % S
Volume stability	NPD		
Water absorption	<38 % dry mass		
Dangerous substances:			
Emission of radioactivity	NPD		
Release of heavy metals	NPD		
Release of polyaromatic carbons	NPD		
Release of other dangerous substances	NPD		
Durability against freeze/thaw	Durable according to long term experience in Nordic climate		
Durability against alkali-silica reactivity	NPD		

Essential characteristics		Performance Harmonised standard: 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 <sup>3</sup> (± 15%)	
	Aggregate size	10 - 20 mm [ 15-90]% passed	
Water vapour transmission		NPD	
Crushing resistance		≥ 0,7 N/mm <sup>2</sup>	
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

*Cristina Freire*