



SAINT-GOBAIN

## 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](http://www.leca.pt)
4. Authorised representative:  
Leca UK  
Regus House  
Herons Way – Chester Business Park  
Chester – GH4 9WR – UK  
[www.leca.co.uk](http://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 <sup>3</sup> (± 15 %)	
Percentage of crushed particles		≤ 25% weight	
Cleanliness		NPD	
Resistance to fragmentation/ crushing		≥ 0,7 N/mm <sup>2</sup>	
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 <sup>-3</sup> 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 <sup>3</sup> (± 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*

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