



DECLARATION OF PERFORMANCE
 DOP n° 140410320B 2019-01-01
FOAMGLAS® PERINSUL HL



1. Unique identification code of the product-type	FOAMGLAS® PERINSUL HL DOP n° 140410320B 2019/01/01-ThIB-CG-EN13167-PL(P)1-DS(70,90)-CS(Y)2900-BS550-TR200-WS-WL(P)-CC(1,5/1/50)800-Mu
2. Identification of the construction product as required under Art. 11(4)	Cellular glass - thermal break - FAB PERINSUL HL
3. Intended use or uses of the construction product	Thermal insulation for buildings
4. Name and contact address of the manufacturer as required pursuant Art. 11(5)	PCE-Pittsburgh Corning Europe NV/SA - Albertkade 1 - B3980 Tessenderlo (B) www.foamglas.com quality-compliance@foamglas.com
5. Name of the authorised representative whose mandate covers the tasks specified in Art. 12(2)	none
6. System or systems AVCP as set out in Annex V	AVCP system 3
7. Harmonised standard	EN 13167
Notified body	Thermal conductivity - BBRI (No. 1136) & FIW (No. 751) / Fire reaction - WFGRT (No. 1173) / Compressive strength - BBRI (No. 1136)

8. Table 1

Essential characteristics	Performance	
	Thermal resistance	Thermal resistance (RD-value)
	Thermal conductivity (λD-value)	λD ≤ 0.058 W/(m•K)
	Thickness	0
Reaction to fire Euroclass characteristics	Reaction to fire	Euroclass E
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (RD-value)	RD-value see table 2
	Thermal conductivity (λD-value)	λD ≤ 0.058 W/(m•K)
	Durability characteristics	Thermal conductivity of cellular glass products does not change with time, experience has shown the cell structure to be stable.
Durability of reaction to fire against heat, weathering, ageing/degradation	Dimensional Stability	DS (70/90)
	Durability characteristics	The fire performance of cellular glass does not deteriorate with time.
Compressive strength	Compressive strength	CS ≥ 2900 kPa
	Point load	PL ≤ 1 mm
Tensile/flexural strength	Bending Strength	BS ≥ 550 kPa
	Tensile strength parallel to faces	NPD
	Tensile strength perpendicular to faces	TR ≥ 200 kPa
Durability of compressive strength against aging degradation	Compressive creep	CC (1,5/1/50) 800
Water permeability	Water absorption (short)	WS
	Water absorption (long)	WL(P)
Water vapour permeability	Water vapour resistance	∞ infinite
Acoustic absorption index	Sound absorption	AP1 → NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
Continuous glowing combustion	Continuous glowing combustion	no glowing combustion

EN 13167:2012 + A1:2015

Table 2

Thickness (mm)	Thermal resistance (m²K / W)	Thickness (mm)	Thermal resistance (m²K / W)
40	0,80	125	2,50
45	0,90	130	2,60
50	1,00	135	2,70
55	1,10	140	2,80
60	1,20	145	2,90
65	1,30	150	3,00
70	1,40	155	3,10
75	1,50	160	3,20
80	1,60	165	3,30
85	1,70	170	3,40
90	1,80	175	3,50
95	1,90	180	3,60
100	2,00		
105	2,10		
110	2,20		
115	2,30		
120	2,40		

9. The performance of the product is in conformity with the declared performance. 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

Piet Vitse, European Director Norms & Standards, Product & Systems Certifications, Policy and Advocacy

Tessenderlo (B), 01.01.2019

Previous version: 01.01.2018