



DECLARATION OF PERFORMANCE
DOP n° 100010030B 2025-02-17
FOAMGLAS® S3



1. Unique identification code of the product-type	FOAMGLAS® S3 DOP n° 100010030B 2025/02/17-ThiB-CG-EN13167-PL(P)1-DS(70,90)-CS(Y)900-BS500-TR200-WS-WL(P)-CC(1,5/1/50)350 - Mu
2. Identification of the construction product as required under Art. 11(4)	Flat packed S3 Cellular glass - slabs
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 DOP-compliance@owenscorning.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 Notified body	EN 13167 Thermal conductivity - BBRI (No. 1136) & FIW (No. 751) / Fire reaction - WFGRT (No. 1173) / Compressive strength - BBRI (No. 1136)

8. Declared performance

Essential characteristics	Performance	Harmonized technical specification EN 13167:2012 + A1:2015
Thermal resistance	Thermal resistance (RD-value)	RD-value see table 2
	Thermal conductivity (λ D-value)	λ D $\leq$ 0.045 W/(m·K)
Reaction to fire Euroclass characteristics	Thickness	from 40 to 200 mm
	Reaction to fire	Euroclass A1
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (RD-value)	RD-value see table 2
	Thermal conductivity (λ D-value)	λ D $\leq$ 0.045 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.
	Dimensional Stability	DS (70/90)
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	The fire performance of cellular glass does not deteriorate with time.
	Dimensional Stability	DS (70/90)
Compressive strength	Compressive strength	CS $\geq$ 900 kPa
	Point load	PL $\leq$ 1 mm
Tensile/flexural strength	Bending Strength	BS $\geq$ 500 kPa
	Tensile strength parallel to faces	NPD
Durability of compressive strength against aging	Tensile strength perpendicular to faces	TR $\geq$ 200 kPa
	Compressive creep	CC (1,5/1/50) 350
Water permeability	Water absorption (short)	WS
Water vapour permeability	Water absorption (long)	WL(P)
Acoustic absorption index	Water vapour resistance	∞ infinite
Release of dangerous substances to the indoor	Sound absorption	NPD
Continuous glowing combustion	Release of dangerous substances	NPD
	Continuous glowing combustion	NPD

Thickness (mm)	Thermal resistance (m ² K / W)	Thickness (mm)	Thermal resistance (m ² K / W)
40	0,85	125	2,75
45	1	130	2,85
50	1,1	135	3,00
55	1,2	140	3,10
60	1,3	145	3,20
65	1,4	150	3,30
70	1,55	155	3,40
75	1,65	160	3,55
80	1,75	165	3,65
85	1,85	170	3,75
90	2	175	3,85
95	2,1	180	4,00
100	2,2	185	4,10
105	2,3	190	4,20
110	2,4	195	4,30
115	2,55	200	4,40
120	2,65		

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

Nabil Boukolt, European Director Products & Systems Certifications

Tessenderlo (B), 17-02-2025

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