



DECLARATION OF PERFORMANCE
 DOP n° 120270065 B 2024-07-29
FOAMGLAS® INVATHERM™



1. Unique identification code of the product-type	FOAMGLAS® INVATHERM™ DOP n° 120270065 B 2024/07/29-ThIB-CG-EN13167-DS(70,90)-CS(Y)400-TR100-WS-Mu
2. Identification of the construction product as required under Art. 11(4)	cellular glass with a pre-applied inorganic coating on the topside
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
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
Harmonised standard	EN 13167
7. 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		EN 13167:2012 + A1:2015
Thermal resistance	Thermal resistance (RD-value)	RD-value see table 2	
	Thermal conductivity (λD-value)	λD ≤ 0.038 W/(m•K)	
	Thickness	from 100 to 200 mm	
Reaction to fire Euroclass characteristics	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 (λD-value)	λD ≤ 0.038 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, aging/degradation	Durability characteristics	The fire performance of cellular glass does not deteriorate with time.	
	Dimensional Stability	DS (70/90)	
Compressive strength	Compressive strength	CS ≥ 400 kPa	
	Point load	PL ≤ 1,5 mm	
Tensile/flexural strength	Bending Strength	BS ≥ 400 kPa	
	Tensile strength parallel to faces	NPD	
	Tensile strength perpendicular to faces	TR ≥ 100 kPa	
Durability of compressive strength against aging degradation	Compressive creep	NPD	
Water permeability	Water absorption (short)	WS	
	Water absorption (long)	NPD	
Water vapour permeability	Water vapour transmission	∞ infinite	
Acoustic absorption index	Sound absorption	API → NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD	
Continuous glowing combustion	Continuous glowing combustion	no glowing combustion	

Table 2

Thickness (mm)	Thermal resistance (m²K / W)	Thickness (mm)	Thermal resistance (m²K / W)
100	2,60	185	4,85
105	2,75	190	5,00
110	2,85	195	5,10
115	3,00	200	5,25
120	3,15		
125	3,25		
130	3,40		
135	3,55		
140	3,65		
145	3,80		
150	3,90		
155	4,05		
160	4,20		
165	4,30		
170	4,45		
175	4,60		
180	4,70		

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), 29/07/2024

Previous version: 1-1-2022