



DECLARATION OF PERFORMANCE
 DOP n° 120270065B 2019-01-01
FOAMGLAS® SKYPEARLS 38



1. Unique identification code of the product-type	FOAMGLAS® SKYPEARLS 38 DOP n° 120270065B 2019/01/01-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
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	Conductivité thermique - BBRI (No. 1136) & FIW (No. 751) / Réaction au feu - WFGRT (No. 1173) / Résistance à la compression -BBRI (No. 1136)

8. Table 1

Essential characteristics	Performance		
	Thermal resistance	Thermal resistance (RD-value) Thermal conductivity (λ D-value) Thickness	RD-value see table 2 $\lambda D \leq 0.038 \text{ W/(m}\cdot\text{K)}$ 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) Thermal conductivity (λ D-value)	RD-value see table 2 $\lambda D \leq 0.038 \text{ W/(m}\cdot\text{K)}$	
	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 Point load	CS $\geq 400 \text{ kPa}$ PL $\leq 1,5 \text{ mm}$	
	Tensile/flexural strength	Bending Strength Tensile strength parallel to faces Tensile strength perpendicular to faces	BS $\geq 450 \text{ kPa}$ NPD TR $\geq 100 \text{ kPa}$
Durability of compressive strength against aging degradation		Compressive creep	-
Water permeability		Water absorption (short) Water absorption (long)	WS NPD
	Water vapour permeability	Water vapour transmission	∞ infinite
Acoustic absorption index	Sound absorption	AP1 \rightarrow 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 (m ² K / W)	Thickness (mm)	Thermal resistance (m ² K / 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

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