



DECLARATION OF PERFORMANCE

DOP n° 140430400A 2019-01-01

FOAMGLAS®FAB ONE PSH



1. Unique identification code of the product-type	FOAMGLAS®FAB ONE PSH DOP n° 140430400A 2019/01/01-ThBel- CG-EN14305-ST(+)-430-ST-(-)-265)-WS-CL2-Mu
2. Identification of the construction product as required under Art. 11(4)	Cellular glass - Fabricating ONE- PSH
3. Intended use or uses of the construction product	Thermal insulation for industrial installations & Building Equipment
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
Harmonised standard	EN 14305
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 14305: 2016
	Thermal conductivity (λD-value)	λD-value see table 2	
Thermal resistance	Thermal conductivity (λD-value)	λD-value see table 2	
	Thickness	following order	
Reaction to fire Euroclass characteristics	Reaction to fire	Euroclass A1 (core) / Euroclass E (with coating)	
	Thermal conductivity (λD-value)	λD-value see table 2	
Durability of thermal resistance against heat, weathering, ageing/degradation	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 ≥ 600 kPa (*)	
	Point load	PL ≤ 1,5 mm (*)	
Tensile/flexural strength	Bending Strength	BS ≥ 450 kPa (*)	
	Tensile strength parallel to faces	NPD	
	Tensile strength perpendicular to faces	TR ≥ 150 kPa (*)	
Durability of compressive strength against aging degradation	Compressive creep	-	
Water permeability	Water absorption (short)	WS	
	Water absorption (long)	WL(P)	
Water vapour permeability	Water Vapour transmission	∞ infinite	
Acoustic absorption index	Sound absorption	AP1→NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD	
Min / Max Temperature range	Min / Max Temperature range	-265°C / +430°C	
Trace quantities of water soluble chloride	Trace quantities of water soluble chloride	≤ 2 mg/kg	
pH	pH	NPD	
Continuous glowing combustion	Continuous glowing combustion	no glowing combustion	

Table 2

Thermal conductivity -180°C	λD ≤ 0.021 W/(m•K)
Thermal conductivity -150°C	λD ≤ 0.024 W/(m•K)
Thermal conductivity -120°C	λD ≤ 0.027 W/(m•K)
Thermal conductivity -80°C	λD ≤ 0.031 W/(m•K)
Thermal conductivity -40°C	λD ≤ 0.037 W/(m•K)
Thermal conductivity 0°C	λD ≤ 0.043 W/(m•K)
Thermal conductivity +40°C	λD ≤ 0.050 W/(m•K)
Thermal conductivity +80°C	λD ≤ 0.057 W/(m•K)
Thermal conductivity +120°C	λD ≤ 0.066 W/(m•K)
Thermal conductivity +180°C	λD ≤ 0.080 W/(m•K)
Thermal conductivity +240°C	λD ≤ 0.096 W/(m•K)
Thermal conductivity +300°C	λD ≤ 0.114 W/(m•K)

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

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