



DECLARATION OF PERFORMANCE
DOP n° 100010044A 2018-01-01
FOAMGLAS® Flat packed HLB 1600



1. Unique identification code of the product-type	FOAMGLAS® Flat packed HLB 1600 DOP n° 100010044A 2018/01/01-ThBeli- CG-EN14305-ST(+)-430-ST(-)-(-265)-Pl(P)1-DS(TH)-CS(Y)1600-B5550-TR200-WS-WL(P)-CL2-Mu
2. Identification of the construction product as required under Art. 11(4)	Flat packed HLB 1600 Cellular glass - slabs
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	
Thermal resistance	Thermal conductivity (λ D-value)	λ D-value see table 2
	Thickness	from 40 to 180 mm
Reaction to fire Euroclass characteristics	Reaction to fire	Euroclass A1
	Thermal conductivity (λ D-value)	λ D-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, 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 1600 kPa
	Point load	PL \leq 1 mm
Tensile/flexural strength	Bending Strength	BS \geq 550 kPa
	Tensile strength parallel to faces	NPD
	Tensile strength perpendicular to faces	TR \geq 200 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 \rightarrow 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	\leq 2 mg/kg
pH	pH	8-10
Continuous glowing combustion	Continuous glowing combustion	no glowing combustion

EN 14305-2009+A1:2013

Table 2

Thermal conductivity -180°C	λ D \leq 0.028 W/(m•K)
Thermal conductivity -150°C	λ D \leq 0.030 W/(m•K)
Thermal conductivity -120°C	λ D \leq 0.033 W/(m•K)
Thermal conductivity -80°C	λ D \leq 0.038 W/(m•K)
Thermal conductivity -40°C	λ D \leq 0.043 W/(m•K)
Thermal conductivity 0°C	λ D \leq 0.049 W/(m•K)
Thermal conductivity +40°C	λ D \leq 0.056 W/(m•K)
Thermal conductivity +80°C	λ D \leq 0.063 W/(m•K)
Thermal conductivity +120°C	λ D \leq 0.071 W/(m•K)
Thermal conductivity +180°C	λ D \leq 0.085 W/(m•K)
Thermal conductivity +240°C	λ D \leq 0.101 W/(m•K)
Thermal conductivity +300°C	λ D \leq 0.119 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 305/211, 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), 01.01.2018

Previous version: 01.01.2017