



**DECLARATION OF PERFORMANCE**  
 DOP n° 100010043A 2018-01-01  
**FOAMGLAS® Flat packed HLB 1400**



1. Unique identification code of the product-type	FOAMGLAS® Flat packed HLB 1400 DOP n° 100010043A 2018/01/01-ThBelI- CG-EN14305-ST(+)-430-ST(-)-(-265)-Pl(P)1-DS(TH)-CS(Y)1400-B5550-TR200-WS-WL(P)-CL2-Mu
2. Identification of the construction product as required under Art. 11(4)	Flat packed HLB 1400 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 ( $\lambda$ D-value)
	Thickness	from 40 to 180 mm
Reaction to fire Euroclass characteristics	Reaction to fire	Euroclass A1
	Thermal conductivity ( $\lambda$ D-value)	$\lambda$ 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 $\geq$ 1400 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	$\infty$ 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	$\lambda$ D $\leq$ 0.027 W/(m•K)
Thermal conductivity -150°C	$\lambda$ D $\leq$ 0.029 W/(m•K)
Thermal conductivity -120°C	$\lambda$ D $\leq$ 0.032 W/(m•K)
Thermal conductivity -80°C	$\lambda$ D $\leq$ 0.037 W/(m•K)
Thermal conductivity -40°C	$\lambda$ D $\leq$ 0.042 W/(m•K)
Thermal conductivity 0°C	$\lambda$ D $\leq$ 0.048 W/(m•K)
Thermal conductivity +40°C	$\lambda$ D $\leq$ 0.055 W/(m•K)
Thermal conductivity +80°C	$\lambda$ D $\leq$ 0.062 W/(m•K)
Thermal conductivity +120°C	$\lambda$ D $\leq$ 0.071 W/(m•K)
Thermal conductivity +180°C	$\lambda$ D $\leq$ 0.085 W/(m•K)
Thermal conductivity +240°C	$\lambda$ D $\leq$ 0.100 W/(m•K)
Thermal conductivity +300°C	$\lambda$ D $\leq$ 0.118 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