



DECLARATION OF PERFORMANCE
 DOP n° 140430400FABONE LTAA 2020-10-20
FOAMGLAS® FAB ONE PSH LTAA



1. Unique identification code of the product-type	FOAMGLAS® FAB ONE PSH LTAA DOP n° 140430400FABONE LTAA 2020/10/20-ThBel- CG-EN14305-ST(+)-I200-ST(-)-180-WS-CL2-Mu
2. Identification of the construction product as required under Art. 11(4)	Cellular glass - Fabricating ONE- PSH + COATING
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 Compliance.DOP@owenscorning.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 conductivity (λ D-value)	λ D-value see table 2
Thermal resistance	Thickness	following order
	Reaction to fire Euroclass characteristics	Euroclass A2I
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal conductivity (λ D-value)	λ D-value see table 2
	Durability characteristics	Thermal conductivity of cellular glass products does not change with time, experience has shown the cell structure to be stable.
Durability of reaction to fire against heat, weathering, aging/degradation	Dimensional Stability	DS (70/90)
	Durability characteristics	The fire performance of cellular glass does not deteriorate with time.
Compressive strength	Compressive strength	CS \geq 600 kPa (*)
	Point load	PL \leq 1,5 mm (*)
Tensile/flexural strength	Bending Strength	BS \geq 450 kPa (*)
	Tensile strength parallel to faces	NPD
Durability of compressive strength against aging degradation	Tensile strength perpendicular to faces	TR \geq 150 kPa (*)
	Compressive creep	-
Water permeability	Water absorption (short)	WS
	Water absorption (long)	WL(P)
Water vapour permeability	Water vapour resistance	∞ 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	-180°C / +200°C
Trace quantities of water soluble chloride	Trace quantities of water soluble chloride	\leq 2 mg/kg
pH	NPD	8-10
Continuous glowing combustion	Continuous glowing combustion	no glowing combustion

EN 14305:2009 + A1:2013

(*) *These performances and declarations are obtained from the slabs, from which the fabricated ware is sawed and/or abraded.*

Table 2

Thermal conductivity -180°C	λ D \leq 0.021 W/(m•K)
Thermal conductivity -150°C	λ D \leq 0.024 W/(m•K)
Thermal conductivity -120°C	λ D \leq 0.027 W/(m•K)
Thermal conductivity -80°C	λ D \leq 0.031 W/(m•K)
Thermal conductivity -40°C	λ D \leq 0.037 W/(m•K)
Thermal conductivity 0°C	λ D \leq 0.043 W/(m•K)
Thermal conductivity +40°C	λ D \leq 0.050 W/(m•K)
Thermal conductivity +80°C	λ D \leq 0.058 W/(m•K)
Thermal conductivity +120°C	λ D \leq 0.067 W/(m•K)
Thermal conductivity +180°C	λ D \leq 0.080 W/(m•K)
Thermal conductivity +240°C	λ D \leq 0.096 W/(m•K)
Thermal conductivity +300°C	λ D \leq 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), 20-10-2020

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