DECLARATION OF PERFORMANCE

DOP n° 140430400FABONE ASJ 2021-09-01

FOAMGLAS®FAB ONE ASJ

1.	Unique identification code of the product-type	**FOAMGLAS®FAB ONE ASJ** **DOP n° 140430400FABONE ASJ 2021/09/01-ThBeli- CG-EN14305-ST(+)()-ST(-)(-)(-)-WS-CL2-Mu**
2.	Identification of the construction product as required under Art. 11(4)	**Cellular glass - Fabricating ONE- PSH and other fabricated ware + 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**
7.	Harmonised standard	**EN 14305**
	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 (λD-value)	λD-value see table 2	**EN 14305: 2009 + A1:2013**
	Thickness	following order	
Reaction to fire Euroclass characteristics	Reaction to fire	Euroclass A2l	
Durability of thermal resistance against heat, weathering, agening/degradation	Thermal conductivity (λD-value)	λD-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.	
	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 perpendular 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 resistance	∞ infinite	
Acoustic absoption 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	N.A.	
Trace quantities of water soluble chloride	Trace quantities of water soluble chloride	≤ 2 mg/kg	
pH	NPD	8-10	
Continous glowing combustion	Continous glowing combustion	no glowing combustion	

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

Table 2

	PSG and other fabricated ware	PSH-ware
Thermal conductivity -180°C	λD ≤ 0.020 W/(m.K)	λD ≤ 0.021 W/(m•K)
Thermal conductivity -150°C	λD ≤ 0.022 W/(m.K)	λD ≤ 0.024 W/(m•K)
Thermal conductivity -120°C	λD ≤ 0.025 W/(m.K)	λD ≤ 0.027 W/(m•K)
Thermal conductivity -80°C	λD ≤ 0.029 W/(m.K)	λD ≤ 0.031 W/(m•K)
Thermal conductivity -40°C	λD ≤ 0.034 W/(m.K)	λD ≤ 0.037 W/(m•K)
Thermal conductivity 0°C	λD ≤ 0.040 W/(m.K)	λD ≤ 0.043 W/(m•K)
Thermal conductivity +40°C	λD ≤ 0.046 W/(m.K)	λD ≤ 0.050 W/(m•K)
Thermal conductivity -+80°C	λD ≤ 0.054 W/(m.K)	λD ≤ 0.057 W/(m•K)
Thermal conductivity +120°C	λD ≤ 0.061 W/(m.K)	λD ≤ 0.067 W/(m.K)
Thermal conductivity +180°C	λD ≤ 0.075 W/(m.K)	λD ≤ 0.083 W/(m.K)
Thermal conductivity +240°C	λD ≤ 0.090 W/(m.K)	λD ≤ 0.103 W/(m.K)
Thermal conductivity +300°C	λD ≤ 0.107 W/(m.K)	λD ≤ 0.128 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

Nabil Boukolt, Product & Systems Certifications

Tessenderlo (B), 1-9-2021

Previous version: 20-10-2020