



**DECLARATION OF PERFORMANCE**

DOP n° 140430400FABONE NAK 2021-09-01

**FOAMGLAS® FAB ONE PSH NAKED**



**FOAMGLAS®**

1. Unique identification code of the product-type	<b>FOAMGLAS® FAB ONE PSH NAKED</b> DOP n° 140430400FABONE NAK 2021/09/01-ThBelii- CG-EN14305-ST(+)-J430-ST(-)-(-)-265)-WS-CL2-Mu
2. Identification of the construction product as required under Art. 11(4)	<b>Cellular glass - Fabricating ONE- PSH and other fabricated ware + COATING</b>
3. Intended use or uses of the construction product	<b>Thermal insulation for industrial installations &amp; Building Equipment</b>
4. Name and contact address of the manufacturer as required pursuant Art. 11(5)	<b>PCE-Pittsburgh Corning Europe NV/SA - Albertkade 1 - B3980 Tessenderlo (B)</b> <b>www.foamglas.com</b> <b>Compliance.DOP@owenscorning.com</b>
5. Name of the authorised representative whose mandate covers the tasks specified in Art. 12(2)	<b>None</b>
6. System or systems AVCP as set out in Annex V	<b>AVCP system 3</b>
Harmonised standard	<b>EN 14305</b>
7. Notified body	<b>Thermal conductivity - BBRI (No. 1136) &amp; FIW (No. 751) / Fire reaction - WFGRT (No. 1173) / Compressive strength - BBRI (No. 1136)</b>

8. Table 1

Essential characteristics	Performance	
Thermal resistance	Thermal conductivity ( $\lambda$ D-value)	$\lambda$ D-value see table 2
	Thickness	following order
Reaction to fire Euroclass characteristics	Reaction to fire	Euroclass A1I
	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 $\geq$ 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	$\infty$ 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	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

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