DECLARATION OF PERFORMANCE

DOP n° 140410320B 2024-03-01

FOAMGLAS® PERINSUL HL

1.	Unique identification code of the product-type	**FOAMGLAS® PERINSUL HL** **DOP n° 140410320B ETA 18/0636**
2.	Identification of the construction product as required under Art. 11(4)	**Cellular glass - thermal break - FAB PERINSUL HL**
3.	Intended use or uses of the construction product	**Thermal insulation for buildings**
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** **DOP-compliance@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 2+**
7.	Harmonised standard	**ETA 18/0636 based on EAD 170018-00-0305**
	Notified body	**Thermal conductivity - BBRI (No. 1136) & FIW (No. 751) / Fire reaction - WFGRT (No. 1173) / Compressive strength -BCCA (No. 0749)**

8. *Table 1*

Essential characteristics	**Performance**
BWR 1 "Mechanical resistance and stability"	
Compressive strength as part of masonry with a layer made out of thermally-insulating and load-bearing units made of cellular glas	See ETA
Shear strength as part of masonry with a layer made out of thermally-insulating and load-bearing units made of cellular glass	See ETA
Compressive strength and normalised compressive strength of thermally-insulating and load-bearing units made of cellular glass mean compressive strength Individual minimum compressive strength	 2,9 N/mm² 2,32 N/mm²
Creep – long term behaviour - total deformation	1 mm
Eccentric loading behaviour	See ETA
Long term compressive strength	1,4 N/mm²
Safety in case of fire (BWR2)	
Reaction to fire	Euroclass E
Propensity to undergo continuous smouldering	NPA
Hygiene, health and the environment (BWR3)	
Dimensional stability at specified temperature and humidity	DS(70,90) (Δεl ≤ 0,5 %, Δεb ≤ 0,5 %, Δεd ≤ 1 %)
Water absorption by immersion – long term	Wlp ≤ 0,5 kg/m²
Water absorption by capillarity	≤0.3 g/m²s
Water vapour resistance	μ = infinite (∞)
Release of dangerous substances	NPA
Tolerance	
Geometry (length, width, thickness, plane parallelism, squareness and flatness)	*Tolerance*
Length	± 2 mm
Width (mm)	± 3 mm
Heigth	± 3 mm
Plane parallelism of the bed faces	NPA
Squareness	Sl,b ≤ 6 mm/m Sd ≤ 2 mm
Flatness of the bed faces	Smax ≤ 2 mm
density	200 kg/m³ (± 15 %)
Thickness of liner	≤ 0,5 mm
Protection against noise (BWR5)	
Sound insulation	NPA
Energy economy and heat retention (BWR6)	
Thermal insulation	λD ≤ 0,068 W/mK
Thermal linear transmittance	See ETA
Durability	NPA

EAD 170018-00-0305

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, European Director Products & Systems Certifications

Tessenderlo (B),01/03/2024

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1-1-2022