



**CE productdeclaration**  
**of conformity**  
**with EN 13167**  
**& CPD-European Directive**

**FOAMGLAS**  
Building

The undersigned, representing <b>PCE - Pittsburgh Corning Europe</b> <b>Albertkade 1</b> <b>B 3980 TESSENDERLO</b> <b>BELGIUM</b>	having a <b>manufacturing plant</b> in  Albertkade 1 B 3980 TESSENDERLO  BELGIUM
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herewith declares that the cellular glass EN13167-products :

- ⇒ **FOAMGLAS® T4+; FOAMGLAS® Wall Board T4+; FOAMGLAS® Wall Board Alu T4+; FOAMGLAS® Ready Board T4+; FOAMGLAS® Ready Block T4+; FOAMGLAS® Floor Board T4+; FOAMGLAS® Tapered T4+**
- ⇒ **FOAMGLAS® T4; FOAMGLAS® Wall Board T4; FOAMGLAS® Wall Board Alu T4; FOAMGLAS® Ready Board T4; FOAMGLAS® Ready Block T4; FOAMGLAS® Floor Board T4; FOAMGLAS® Tapered T4**
- ⇒ **FOAMGLAS® S3; FOAMGLAS® Ready Board S3; FOAMGLAS® Ready Block S3; FOAMGLAS® Floor Board S3; FOAMGLAS® Tapered S3**
- ⇒ **FOAMGLAS® F; FOAMGLAS® Ready Board F; FOAMGLAS® Ready Block F; FOAMGLAS® Floor Board F; FOAMGLAS® Tapered F**
- ⇒ **FOAMGLAS® Perinsul®**

are in conformity with the provisions of the European Directive of Construction Products (CPD) and the EN 13167 standard and in particular its Annex ZA and are subjected to system of attestation of conformity system 3.

The intended uses of these products are the thermal insulation for buildings.

The testing laboratories having carried out these tests are:


- Laboratorium voor Aanwending der Brandstoffen en Warmteoverdracht (Warrington Fire Safety Gent - WFR Gent), Ottergemsesteenweg 711, B-9000 Gent (notified EC/No. 1173) Belgium
- Belgian Building Research Institute (BBRI), Lozenberg 7, B-1932 St-Stevens-Woluwe, Belgium (notified EC/No. 1136)
- Forschungsinstitut für Wärmeschutz (FIW), Lochhamer Schlag 4, D-82166 Gräfelfing (notified EC/ No. 751), Germany

For each product, the characteristics determined in accordance with EN 13167, are given in the attached Annex A.

The declared thermal resistances ( $R_D$ -values) for the various types and thicknesses are given in Annex B.

This declaration was issued on 05/01/2010 and remains valid until 31/12/2010.

TESSENDERLO, BE

  
Piet VITSE  
Director Standardisation & Approvals

Annex A (Normative)

FOAMGLAS® cellular glass products with their characteristics according EN13167:2008

Productname	Thickness (mm)	Thermal conductivity $\lambda_p$ -declared (mW/m.K)	Thickness d (mm)	48h 70°C 90% RH(%) Dimens.stability DS	Point load PL (mm)	Reaction to fire	Compress. strength CS (kPa)	Bending Strength BS (kPa)	Tensile Strength perpendicular to faces TR(kPa)	Water Abs. long WS (kg/m <sup>2</sup> )	Water Abs. Long WL (kg/m <sup>2</sup> )	Water vapour resistance ( $\mu$ )
FOAMGLAS® T4+ Wall Board T4+ Wall Board Alu T4+ Ready Board T4+ Ready Block T4+ Floor Board T4+ Tapered® T4+	40-180 40-150 40-150 40-150 40-150 40-150 40-180	41	+/-2	$\Delta\epsilon_{l,b} \leq 0,5 / \Delta\epsilon_d \leq 1$	$\leq 1,5$	Al F Ds2,d2 F F F F Al	$\geq 600$	$\geq 450$	$\geq 100$	$\leq 0,5$	$\leq 0,5$	$\geq 40.000$
FOAMGLAS® T4 Wall Board T4 Wall Board Alu T4 Ready Board T4 Ready Block T4 Floor Board T4 Tapered® T4	40-180 40-150 40-150 40-150 40-150 40-150 40-180	42	+/-2	$\Delta\epsilon_{l,b} \leq 0,5 / \Delta\epsilon_d \leq 1$	$\leq 1$	Al F Ds2,d2 F F F F Al	$\geq 700$	$\geq 450$	$\geq 100$	$\leq 0,5$	$\leq 0,5$	$\geq 40.000$
FOAMGLAS® S3 Ready Board S3 Ready Block S3 Floor Board S3 Tapered® S3	40-160 40-150 40-150 40-150 40-160	45	+/-2	$\Delta\epsilon_{l,b} \leq 0,5 / \Delta\epsilon_d \leq 1$	$\leq 1$	Al F F F F Al	$\geq 900$	$\geq 500$	$\geq 100$	$\leq 0,5$	$\leq 0,5$	$\geq 40.000$
FOAMGLAS® F Ready Board F Ready Block F Floor Board F Tapered® F	40-130 40-120 40-120 40-120 40-120	50	+/-2	$\Delta\epsilon_{l,b} \leq 0,5 / \Delta\epsilon_d \leq 1$	$\leq 1$	Al F F F F Al	$\geq 1600$	$\geq 550$	$\geq 150$	$\leq 0,5$	$\leq 0,5$	$\geq 40.000$
FOAMGLAS® Perinsul®	50	50	+/-2	$\Delta\epsilon_{l,b} \leq 0,5 / \Delta\epsilon_d \leq 1$	$\leq 1$	F	$\geq 1600$	$\geq 550$	$\geq 150$	$\leq 0,5$	$\leq 0,5$	$\geq 40.000$

**Annex B (Normative)**

**Declared thermal resistance ( $R_D$ -values)**

Thickness (mm)	FOAMGLAS® T4+	FOAMGLAS® T4	FOAMGLAS® S3	FOAMGLAS® F	FOAMGLAS® Perinsul®
	& Foamglas® - Wall Board T4+ Wall Board Alu T4+ Ready Board T4+ Ready Block T4+ Floor Board T4+ Tapered® T4+ $\lambda_D = 0,041 \text{ W/m.K}$ (only $\lambda_D$ declaration)	& Foamglas® - Wall Board T4 Wall Board Alu T4 Ready Board T4 Ready Block T4 Floor Board T4 Tapered® T4 $\lambda_D = 0,042 \text{ W/m.K}$ (only $\lambda_D$ declaration)	& Foamglas® - Ready Board S3 Ready Block S3 Floor Board S3 Tapered® S3 (only $\lambda_D$ declaration) $\lambda_D = 0,045 \text{ W/m.K}$	& Foamglas® - Ready Board F Ready Block F Floor Board F Tapered® F (only $\lambda_D$ declaration) $\lambda_D = 0,050 \text{ W/m.K}$	$\lambda_D = 0,050 \text{ W/m.K}$
<b><math>R_D</math>-values [ (m<sup>2</sup>.K)/W ]</b>					
40	0,95	0,95	0,85	0,80	-
50	1,20	1,15	1,10	1,00	1,00
60	1,45	1,40	1,30	1,20	-
70	1,70	1,65	1,55	1,40	-
80	1,95	1,90	1,75	1,60	-
90	2,15	2,10	2,00	1,80	-
100	2,40	2,35	2,20	2,00	-
110	2,65	2,60	2,40	2,20	-
120	2,90	2,85	2,65	2,40	-
130	3,15	3,05	2,85	2,60	-
140	3,40	3,30	3,10	-	-
150	3,65	3,55	3,30	-	-
160	3,90	3,80	3,55	-	-
170	4,10	4,00	-	-	-
180	4,35	4,25	-	-	-