



DECLARATION OF PERFORMANCE
 DOP n° 140440015B 2019-01-01
FOAMGLAS®TAPERED ROOF T4+



| | |
|---|---|
| 1. Unique identification code of the product-type | FOAMGLAS®TAPERED ROOF T4+ DOP n° 140440015B 2019/01/01 –Th1B–CG-EN13167-PL(P)1,5-DS(70,90)-CS(Y)600-BS450-TR150-WS-WL(P)-CC(1,5/1/50)225-Mu |
| 2. Identification of the construction product as required under Art. 11(4) | Cellular glass - TAPERED ROOF T4+ |
| 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 quality-compliance@foamglas.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 13167 |
| 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 | | EN 13167:2012 + A1:2015 |
|---|--|--|-------------------------|
| | Thermal resistance (RD-value) | RD-value see table 2 | |
| Thermal resistance | Thermal conductivity (λD-value) | λD ≤ 0.041 W/(m•K) | |
| | Thickness | from 40 to 200 mm | |
| | Reaction to fire Euroclass characteristics | Euroclass A1 | |
| Durability of thermal resistance against heat, weathering, ageing/degradation | Thermal resistance (RD-value) | RD-value see table 2 | |
| | Thermal conductivity (λD-value) | λD ≤ 0.041 W/(m•K) | |
| | 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, ageing/degradation | Dimensional Stability | DS (70/90) | |
| | 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 perpendicular 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 absorption index | Sound absorption | AP1→NPD | |
| Release of dangerous substances to the indoor environment | Release of dangerous substances | NPD | |
| Continuous glowing combustion | Continuous glowing combustion | no glowing combustion | |

Table 2

| Thickness (mm) | Thermal resistance (m²K / W) | Thickness (mm) | Thermal resistance (m²K / W) |
|----------------|------------------------------|----------------|------------------------------|
| 40 | 0,95 | 125 | 3,00 |
| 45 | 1,05 | 130 | 3,15 |
| 50 | 1,20 | 135 | 3,25 |
| 55 | 1,30 | 140 | 3,40 |
| 60 | 1,45 | 145 | 3,50 |
| 65 | 1,55 | 150 | 3,65 |
| 70 | 1,70 | 155 | 3,75 |
| 75 | 1,80 | 160 | 3,90 |
| 80 | 1,95 | 165 | 4,00 |
| 85 | 2,05 | 170 | 4,10 |
| 90 | 2,15 | 175 | 4,25 |
| 95 | 2,30 | 180 | 4,35 |
| 100 | 2,40 | 185 | 4,50 |
| 105 | 2,55 | 190 | 4,60 |
| 110 | 2,65 | 195 | 4,75 |
| 115 | 2,80 | 200 | 4,85 |
| 120 | 2,90 | | |

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),01.01.2019

Previous version: 01.01.2018