


Declaration of performance No 21-DoP-2018

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|---|---|---|--|---|
| 1. | Unique identification code of the product type | Product name: Foamed polystyrene boards AQUA PASSIVE EPS P80 Product type: EPS 80 Product code: EPS-EN 13163-T1-L3-W2-Sb2-P5-BS125-CS(10)80-DS(N)2-DS(70,90)1-DLT(1)5-WL(T)2-WD(V)3 | | |
| 2. | Intended use or uses | Thermal insulation in building industry, for purposes connected with weight | | |
| 3. | Manufacturer |  YETICO S.A. PL-10-416 Olsztyn ul. Towarowa 17A PRODUCTION PLANT: 1. Gorzów Wielkopolski, 66-400 Gorzów Wielkopolski, ul. Mosięzna 14 | | |
| 4. | Assessment and verification system(s) of constancy of performance | 3rd System | | |
| 5. | Harmonized standard Unit or units of notified bodies | EN 13163:2012+A1:2015 [Institute of Building Technology] Instytut Techniki Budowlanej, No 1488 [Polish Centre of Research and Certification] Polskie Centrum Badań i Certyfikacji S.A., No 1434 | | |
| Declared performance properties | | | | |
| Essential characteristics | | Performance properties | Level/class/limit value /NPD¹⁾ | Harmonized technical specification |
| 6. | Thermal resistance | Thermal resistance and thermal conductivity | R _D – table below λ _D - 0,031 W/m·K | EN 13163:2012+A1:2015 |
| | | Thickness | T1 (±1 mm) | |
| | Reaction to fire | Reaction to fire | E | |
| | Durability of reaction to fire against heat, weathering, ageing / degradation | Durability of properties ²⁾ | E | |
| | Durability of thermal resistance against heat, weathering, ageing / degradation | Thermal resistance – thermal conductivity ³⁾ | R _D – table below λ _D - 0,031 W/m·K | |
| | | Durability of properties | DS(70,90)1 relative change in thickness (≤1 %) | |
| | Compressive strength | Compressive stress at 10 % deformation | CS(10)80 (≥80 kPa) | |
| | Tensile / Flexural strength | Flexural strength | BS125 (≥125 kPa) | |
| Tensile strength perpendicular to faces | | NPD | | |
| Durability of compressive strength against ageing / degradation | Compressive creep | NPD | | |
| | Freeze-thaw resistance | NPD | | |
| | Long-term thickness reduction | NPD | | |

| | | |
|---|---|-----------------------|
| Water permeability | Long term water absorption by immersion | WL(T)2 ($\leq 2\%$) |
| Water vapour permeability | Water vapour transmission | NPD |
| Impact noise insulation index (for floors) | Dynamic stiffness | NPD |
| | Thickness, d_L | NPD |
| | Compressibility | NPD |
| Continuous glowing combustion | Continuous glowing combustion | NPD |
| Release of hazardous substances into the internal environment | Release of hazardous substances ⁴⁾ | NPD |

¹⁾No Performance determined, ²⁾The fire performance of EPS does not deteriorate with time, ³⁾Thermal conductivity of EPS products does not change with time, ⁴⁾European test methods are under development

Declared thermal resistance:

| Grubość [mm] | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 | 250 |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| R_D [m ² ·K/W] | 1,60 | 1,90 | 2,25 | 2,55 | 2,90 | 3,20 | 3,50 | 3,85 | 4,15 | 4,50 | 4,80 | 5,15 | 5,45 | 5,80 | 6,10 | 6,45 | 6,75 | 7,05 | 7,40 | 7,70 | 8,05 |

The performance of the product identified above is in conformity with the declared performance. This declaration of performance is issued in accordance with the Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

Signed on behalf of the manufacturer by:


 Dyrektor
 ds. Zapewnienia Jakości
Ewa Gawlińska

in Olsztynie, dnia 25.09.2018 r.