

DECLARATION OF PERFORMANCE

No.: **64635-a-CPR_2014.12.1**

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| Unique identification code of the product-type | 64635 – Powerline C |
| Intended use/es | Thermal insulation for buildings |
| Manufacturer | Recticel NV - Tramstraat 6 - B-8560 Wevelgem |
| System/s of AVCP | AVCP 3 |
| Harmonised standard | EN 13165:2012 |
| Notified body/ies | Notified testing laboratory No. NB 1173, NB 1136 & NB 0751 determined the production type under system AVCP3. |

| Essential characteristics | Performance | |
|---|---|--|
| | (The letters 'NPD' (No Performance Determined) are indicated where no performance is declared.) | |
| Reaction to fire | Reaction to fire | C-S2-d0 |
| Reaction to fire – end use | Reaction to fire – end use | NPD |
| Thermal resistance | Thermal resistance (R_D in m^2K/W) | 1,65 for d_N 40mm 3,30 for d_N 80mm |
| | Thermal conductivity (λ_D in W/mK) | 0,024 |
| Thickness | d_N : 40-80 mm | T2 |
| Compressive strength | CS(10/Y)150 | |
| Tensile strength/shear behaviour | Tensile strength perpendicular to faces: | TR80 |
| | Shear strength: | NPD |
| | Shear modulus: | NPD |
| Water permeability | Water absorption | NPD |
| | - short term by partial immersion | NPD |
| | - long term by partial immersion | NPD |
| | - long term by total immersion | WL(T)2 |
| | Flatness after one-sided wetting | NPD |
| Water vapour permeability | Water vapour transmission | NPD |
| Acoustic absorption index | Sound absorption | NPD |
| Direct airborne sound insulation index | Sound absorption | NPD |
| Continuous glowing combustion | No harmonized test method available | |
| Release of dangerous substances to the indoor environment | No harmonized test method available | |
| Durability of reaction to fire against heat, weathering, ageing / degradation | Reaction to fire does not change with time | |
| Dimensional stability under specified temperature and humidity conditions | 48h, 70°C, 90% R.H. | DS(70,90)3 |
| | 48h, -20°C | DS(-20,-)1 |
| Deformation under specified compressive load and temperature conditions | 40 kPa, 70°C, 168h | NPD |
| Compressive creep | | NPD |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/211, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Wim Giebens – Industrial Manager Recticel Building Insulation
at Wevelgem on December 1st 2014