EN

DECLARATION OF PERFORMANCE

No. 64004-DoP-CPR_2024.03.1

Unique identification code of the product-type	**64004 – Powerdeck F**
Intended use/es	**Thermal insulation for buildings**
Manufacturer	**Recticel Ltd. – Enterprise Way, Meir Park – Stoke-On-Trent, ST3 7UN -UK**
System/s of AVCP	**AVCP 4 (RtF) & AVCP 3 (other properties)**
Harmonized standard	**EN 13165:2012 + A2:2016**
Approved body/ies	**Approved bodies testing laboratory No. NB 0836 & NB 1136 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	F
Reaction to fire – end use	Reaction to fire – end use	NPD
Thermal resistance	Thermal resistance (R_D in m²K/W)	1,10 for d_N 30mm 3,00 for d_N 79mm 3,20 for d_N 80mm 4,75 for d_N 119mm 5,00 for d_N 120mm 6,65 for d_N 160mm
	Thermal conductivity (λ_D in W/mK)	0,027 for d_N 30-79mm 0,025 for d_N 80-119mm 0,024 for d_N 120-160mm
Thickness	d_N: 30-160 mm	T2
Compressive strength	CS(10/Y)150	
Tensile strength/shear behaviour	Tensile strength perpendicular to faces: Shear strength: Shear modulus:	TR80 NPD NPD
Water permeability	Water absorption - short term by partial immersion - long term by partial immersion - long term by total immersion Flatness after one-sided wetting	 NPD NPD WL(T)2 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	DLT(2)5
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 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

at Wevelgem on March the 25th 2024

Wim Giebens

Wim Giebens – Industrial Manager Recticel Building Insulation