

# DECLARATION OF PERFORMANCE

No.: 64004 -a-CPR\_2014.12.1

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 3
Harmonised standard	EN 13165:2012
Notified body/ies	Notified 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 $m^2K/W$ )	1,15 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 ( $\lambda_D$ in $W/mK$ )	0,026 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 305/211, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Wim Gijsens – Industrial Manager Recticel Building Insulation  
at Wevelgem on December 1<sup>st</sup> 2014