

# DECLARATION OF PERFORMANCE

EN

No.: 64005 -a-CPR\_2017.02.1

Unique identification code of the product-type	POWERDECK F
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 + A1:2015
Notified body/ies	Notified testing laboratory No. NB 1173 & 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	E for $d_N \geq 40\text{mm}$ F for $d_N \leq 40\text{mm}$
Reaction to fire – end use	Reaction to fire – end use	B-S2-d0 for $d_N \geq 40\text{mm}$
Thermal resistance	Thermal resistance ( $R_D$ in $\text{m}^2\text{K/W}$ )	1,15 for $d_N 30\text{mm}$ 6,15 for $d_N 160\text{mm}$
	Thermal conductivity ( $\lambda_D$ in $\text{W/mK}$ )	0,026
Thickness	$d_N$ : 30-160 mm	T2
Compressive strength	CS(10/Y)120	
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:

at Wevelgem on February 1<sup>st</sup> 2017

Wim Giebens – Industrial Manager Recticel Building Insulation