

# DECLARATION OF PERFORMANCE

EN

No. 66101-a-CPR\_2019.07.1

Unique identification code of the product-type	Deck-VQ	
Intended use/es	Thermal insulation for buildings	
Manufacturer	Recticel NV – Zuidstraat 15 – B-8560 Wevelgem	
System/s of AVCP	AVCP 3	
EAD	European Assessment Document EAD 040011-00-1201 2017	
Notified body	Notified testing laboratory No. NB 1640 determined the product type under system AVCP3.	
<b>Essential characteristics</b>	<b>Performance</b>	
	(The letters 'NPD' (No Performance Determined) are indicated where no performance is declared.)	
Reaction to fire	Reaction to fire	E
Thermal resistance	Thermal conductivity $\lambda_D$ in W/mK (without protection layers)	0,007 – 0,010
	Thermal resistance, $R_D$ (in m <sup>2</sup> K/W)	4,00 – 4,40 for $d_N$ 40 mm 5,00 for $d_N$ 45 mm 5,55 – 6,25 for $d_N$ 50 mm 6,85 for $d_N$ 55 mm 7,50 for $d_N$ 60 mm 8,10 for $d_N$ 65 mm 8,75 – 10,00 for $d_N$ 70 mm
Water vapour diffusion resistance	NPD	
Geometry	Length – $l_N$ : 600 – 1200 mm	$l_N < 1000$ mm: -3 mm/+3 mm $l_N > 1000$ mm: -5 mm/+5 mm
	Width – $w_N$ : 300 – 600 mm	$w_N < 1000$ mm: -3 mm/+3 mm
	Thickness – $d_N$ : 40 – 70 mm	T5
	Squareness in mm.m <sup>-1</sup>	≤ 5
	Flatness in mm	≤ 5
Density	Density, kg/m <sup>3</sup>	180
Mass per square metre of the multilayer high barrier foil of the Product	Mass per square metre in g/m <sup>2</sup>	100-110
Oxygen permeability of the multilayer high barrier foil of the Product	OTR <sub>decl.</sub> in $\mu\text{l.m}^{-2}\text{.day}^{-1}$	< 0,5
Compressive stress/strength at 10% deformation	CS(10\Y)150	
Dimensional stability under specified temperature and humidity	48h, 70°C, 90% R.H.	DS(70,90)1
Deformation under specified load and temperature	40 kPa, 70°C, 168h	DLT(2)5
Tensile strength of the multilayer high barrier foil of the Product	Mean tensile strength - before ageing in MPa	≥ 70
	Mean tensile strength - after ageing (90 days 70 °C) in MPa	≥ 70
Internal pressure	Internal pressure, 24 h after production - PL in mbar	≤ 5
Tensile strength perpendicular to the faces of the thermal insulation boards	Tensile strength perpendicular to faces	TR80
Behaviour under point load	Point load $F_p$ at 5 mm deformation in N	≥ 2000
	Deformation under a point load of 1000 N in mm	≤ 2,5
Shear strength of the thermal insulation boards	Shear strength in kPa	≥ 30

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 the European Organisation for Technical Assessment ETA 18/0846, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

at Wevelgem on the 19<sup>st</sup> of July 2019

Ralf Becker – Group General Manager Recticel Insulation

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