

DECLARATION OF PERFORMANCE

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.	
Essential characteristics	Performance	
	(The letters 'NPD' (No Performance Determined) are indicated where no performance is declared.)	
Reaction to fire	Reaction to fire	E
Thermal resistance	Thermal conductivity λ_D in W/mK (without protection layers)	0,007 – 0,010
	Thermal resistance, R_D (in m ² 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 ⁻¹	≤ 5
	Flatness in mm	≤ 5
Density	Density, kg/m ³	180
Mass per square metre of the multilayer high barrier foil of the Product	Mass per square metre in g/m ²	100-110
Oxygen permeability of the multilayer high barrier foil of the Product	OTR _{decl.} in $\mu\text{l.m}^{-2}\text{.day}^{-1}$	< 0,5
Compressive stress/strength at 10% deformation	CS(10Y)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 19st of July 2019

Ralf Becker – Group General Manager Recticel Insulation