EN

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 m²K/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/m³	180
Mass per square metre of the multilayer high barrier foil of the Product	Mass per square metre in g/m²	100-110
Oxygen permeability of the multilayer high barrier foil of the Product	$OTR_{decl.}$ in µl.m^{-2}.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 Fp 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