



Deck-VQ is a vacuum insulation panel (VIP) containing a fumed silica core material. The core is inserted into a multilayer foil envelope and the vacuum insulation panel is encapsulated with a high density thermal insulation board (PIR) on all sides.

### Application(s)

Thermal insulation for flat roofs and terraces.

### Board

Description	Value	Unit	Tolerances	Standard
<b>Dimensions</b>				
Length	600-1200	mm		
Width	300-600	mm		
Thickness range	40-70*	mm	T5	EN 823
*20-50mm VIP + 2x10mm high density insulation board.				
Weight	5-12	kg/m <sup>2</sup>		
<b>Appearance</b>				
Facing	The board is faced with a mineral coated glass fleece on top and bottom side			
Edge finishing	Straight edges			

### Essential characteristics

Description	Standard	EN code	Value	Unit
<b>Mechanical properties</b>				
Compressive stress or compressive strength at 10% deformation	EN 826	CS(10/Y)150	≥ 150	kPa
Tensile strength perpendicular to faces	EN 1607	TR80	≥ 80	kPa
Dimensional stability under specified temperature and humidity conditions				
48 hrs 70°C, 90% RH	EN 1604	DS(70,90)1		
Deformation under specified compressive load and temperature conditions				
168 hrs 70°C, 40 kPa	EN 1605	DLT(2)5	≤ 5	%
<b>Fire behaviour</b>				
Reaction to fire (product as such)	EN 13501-1	Euroclass	E	

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### Recticel Insulation

Zuidstraat 15, 8560 Wevelgem, Belgium

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**Hygrometric properties**

Water vapour diffusion coefficient (foam)	EN ISO 10456	μ	NPD
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**Insulation Values**

Thickness (mm)	RD-value (m <sup>2</sup> K/W)
40	4,00 - 4,40
45	5,00
50	5,55 - 6,25
60	7,50
70	8,75 - 10,00

**Standards & Certificates**
**Standards**

European assessment document (EAD)	040011-00-1201 2017
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**Certificates**

ETA	18/0846
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**Other / Miscellaneous**
**Production plant**

Šoštanj Turvac, inovativne izolacije, d.o.o. Primorska cesta 6b, 3325 Šoštanj, Slovenja

**Storage/handling**

Stock dry and protected from direct sunlight

The envelope of the vacuum insulation panel must not be damaged by drilling, milling, nailing... Handle with care!

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