



# Deck-VQ

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.

## Product

Description	Value	Unit	Tolerances	Standard
<b>Dimensions</b>				
Length	600-1200	mm		
Width	300-600	mm		
Thickness range	40-70*	mm	T2	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 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)3		
Deformation under specified compressive load and temperature conditions	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

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[www.recticelinsulation.co.uk](http://www.recticelinsulation.co.uk)

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## Hygrometric properties

Water vapour diffusion resistance factor

EN ISO  
10456

μ

NPD

## Insulation Values

Thickness (mm)

R<sub>D</sub>-value (m²K/W)

40	4,00
45	5,00
50	5,55
55	6,85
60	7,50
65	8,10
70	8,75

## Standards & Certificates

### Standards

European assessment document (EAD)

040011-00-1201 2017

### Certificates

ETA

18/0846

## Other / Miscellaneous

### Production Plant

Šoštanj

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

### Storage/ maintenance

Stock dry and covered 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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