

eurowall cavity[®]

Eurowall Cavity is a thermal insulation board. Its core consists out of polyisocyanurate PIR foam. The board is faced with a gas diffusion tight multilayer foil on both sides. Grid pattern on both sides.

Application(s)

Thermal insulation of partial fill cavity walls

Board

Description	Value	Unit	Tolerances	Standard
Dimensions				
Length	1200	mm		
Width	450	mm		
Thickness range	20-160	mm	T2	EN 823
Density (core volume weight)	± 30	kg/m ³		
Appearance				
Facing	Gas diffusion tight multilayer foil on both sides. Grid pattern on both sides.			
Edge finishing	Straight edges on four sides.			

Essential Characteristics

Description	Standard	EN code	Value	Unit
Thermal conductivity (declared value)				
All thicknesses	EN 13165	λ_D	0.022	W/m.K
Fire behaviour				
Reaction to fire (product as such)	EN 13501-1	Euroclass	F	
Emissivity*				
			0.05	

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Insulation Values

Thickness (mm)	λ_D -value (W/mK)	R _D -value (m ² K/W)
30	0.022	1.35
40	0.022	1.80
50	0.022	2.25
60	0.022	2.70
70	0.022	3.15
75	0.022	3.40
80	0.022	3.60
90	0.022	4.05
100	0.022	4.50

Standards & Certificates

Standards

Product standard	EN 13165:2012 + A2:2016
Production	ISO 9001:2015
Environmental management	ISO 14001:2015

Certificates

BBA	23/7035	(25-100mm)
PEFC	100% PEFC - certificate number: CU-PEFC-COC-867959	

Other / Miscellaneous

Production plant

Recticel Ltd.	Enterprise way, Meir Park – Stoke-On-Trent, ST3 7UN – UK
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Storage/handling

Stock dry and protected from direct sunlight

* Emissivity can only be taken into account in the thermal calculation of a wall when the insulation is installed in a non-ventilated cavity.

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