



Declaration of Performance

Thermawall™ TW55

1000.CPR.2013.TW55.005

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Unique identification code of the product-type:	Thermawall™ TW55
Intended use/es:	Thermal insulation for buildings
Manufacturer:	Kingspan Insulation Ltd, Herefordshire HR6 9LA,UK
System/s of AVCP:	System 3
Harmonised technical specification:	BS-EN 13165:2012+A2:2016
Notified body/ies:	FIW München NB. 0751 University of Salford NB 1145.Exova NB 1104

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	d _N 20mm	0.90
		d _N 30mm	1.35
		d _N 40mm	1.80
		d _N 50mm	2.25
d _N 60mm		2.70	
d _N 70mm		3.15	
d _N 80mm		3.60	
d _N 90mm		4.05	
d _N 100mm		4.50	
d _N 120mm		5.45	
d _N 130mm		5.90	
d _N 140mm		6.35	
d _N 150mm		6.80	
d _N 160mm	7.25		
	Thermal conductivity λ_D (W/(m.K))	0.022	
	Thickness tolerance	d _N 25-200mm	T2
Reaction to fire	Reaction to fire	E	
Durability of reaction to fire against heat, weathering, ageing / degradation		NPD	
Durability of thermal resistance against heat, weathering, ageing / degradation	Dimensional stability	DS(70,90)3	
		DS(-20,-)1	
	Deformation under specified compressive load and temperature conditions	DLT(2)5	
Compressive strength	Compressive stress or compressive strength	CS(10\Y)140	
		CS(2\Y)50	
Tensile / Flexural strength	Tensile strength perpendicular to faces	NPD	
Durability of compressive strength against ageing / degradation	Compressive creep	NPD	
Water permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
	Flatness after one sided wetting	NPD	
Water vapour permeability	Water vapour transmission	NPD	
Acoustic absorption index	Sound absorption	NPD	
Release of dangerous substances to the indoor environment		NPD	
NPD: No Performance Determined			

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.



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Signed for and on behalf of the manufacturer by:

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Ralph Mannion
Managing Director UK and Ireland
Selby & Pembridge, England, UK
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First signed: 1/1/2019