

Declaration of Performance

Therma™ TW55 R

2100.CPR.2013.TW55R.006

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

Therma™ TW55 R

Thermal insulation for buildings

Kingspan Insulation Oy - Sillanpääkatu 20 - 38710 Kankaanpää (FIN)

System 4; reaction to fire

System 3; all other characteristics

SFS-EN 13165:2012+A2:2016

Eurofins Expert Services Oy (No. 0809)

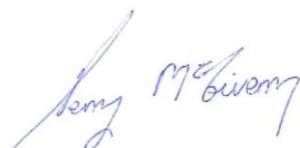
Essential characteristics		Performance	
Thermal resistance	Thermal resistance R _D ((m².K)/W)	d _N 30mm	1.10
		d _N 40mm	1.45
		d _N 50mm	1.85
		d _N 60mm	2.20
d _N 70mm		2.55	
d _N 80mm		3.05	
d _N 90mm		3.45	
	d _N 100mm	3.80	
	Thermal conductivity λ _D (W/(m.K))	d _N < 80mm	0.027
		d _N ≥ 80mm	0.026
	Thickness tolerance	d _N 30-100mm	T2
Reaction to fire		F	
Durability of reaction to fire against heat, weathering, ageing / degradation		NPD	
Dimensional stability under specified temperature and humidity condition		DS(70,90)3	
		DS(-20,-)1	
Deformation under specified compressive load and temperature conditions		NPD	
Compressive strength	Compressive stress or compressive strength	CS(10\Y)100	
Tensile / Flexural strength	Tensile strength perpendicular to faces	NPD	
Durability of compressive strength against ageing / degradation	Compressive creep	NPD	
Water permeability Water vapour permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
	Flatness after one sided wetting	NPD	
	Water vapour transmission	NPD	
Acoustic absorption index	Sound absorption	NPD	
Release of dangerous substances to the indoor environment		NPD	
Continuous glowing combustion		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.

Signed for and on behalf of the manufacturer by:

Terry Mc Givern,

Managing Director Continental Europe



Kankaanpää, Finland, 01.02.2025