

Declaration of Performance

Therma™ TW58

2100.CPR.2013.TW58.006

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

Therma™ TW58

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)

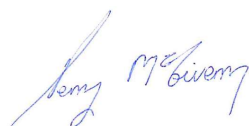
Essential characteristics		Performance		
Thermal resistance	Thermal resistance R _D ((m².K)/W)	d _N 30mm	1.35	
		d _N 40mm	1.80	
		d _N 50mm	2.25	
		d _N 60mm	2.70	
		d _N 70mm	3.15	
		d _N 80mm	3.60	
		d _N 90mm	4.05	
		d _N 100mm	4.50	
		d _N 110mm	5.00	
		d _N 120mm	5.45	
		d _N 130mm	5.90	
		d _N 140mm	6.35	
Thermal conductivity λ _D (W/(m.K))	d _N ≥ 30mm	0.022		
	Thickness tolerance	d _N 30-200mm	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
		Deformation under specified compressive load and temperature conditions		DS(-20,-)1
		Compressive strength		NPD
		Compressive stress or compressive strength		CS(10\Y)100
Tensile / Flexural strength		NPD		
Tensile strength perpendicular to faces		NPD		
Durability of compressive strength against ageing / degradation		NPD		
Compressive creep		NPD		
Water permeability Water vapour permeability	Short term water absorption	NPD		
	Long term water absorption	WL(T)2		
	Flatness after one sided wetting	FW2		
	Water vapour transmission	NPD		
Acoustic absorption index		NPD		
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