

Declaration of Performance

Therma™ TW50

1036.CPR.2013.TW50.007

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

Therma™ TW50

Thermal insulation for buildings

Kingspan Insulation BV - Lorentzstraat 1 - 7102 JH, Winterswijk (NL)

System 4; reaction to fire

System 3; all other characteristics

NEN-EN 13165:2012+A2:2016

FIW München (No. 0751)

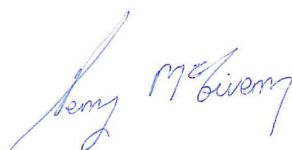
Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m².K)/W)	d _N 30mm	1.35
		d _N 40mm	1.80
		d _N 50mm	2.25
		d _N 60mm	2.70
		d _N 70mm	3.15
		d _N 80mm	3.60
		d _N 90mm	4.05
d _N 100mm		4.50	
d _N 120mm		5.45	
d _N 140mm		6.35	
d _N 160mm		7.25	
d _N 180mm		8.15	
d _N 200mm		9.05	
Thermal conductivity λ_D (W/(m.K))		0.022	
Thickness tolerance		d _N 30-49mm	T3
		d _N 50-200mm	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	
		DS(-20,-)1	
Deformation under specified compressive load and temperature conditions		NPD	
Compressive strength	Compressive stress or compressive strength	CS(10\Y)120	
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	
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



Winterswijk, The Netherlands, 01.02.2025