

Declaration of Performance

Therma™ TR27

1036.CPR.2013.TR27.007 | 1046.CPR.2014.TR27.007

Unique identification code of the product-type:	Therma™ TR27
Intended use/es:	Thermal insulation for buildings
Manufacturer:	Kingspan Insulation BV - Lorentzstraat 1 - 7102 JH, Winterswijk (NL)
System/s of AVCP:	System 3
Harmonised technical specification:	EN 13165:2012+A2:2016
Notified body/ies:	FIW München (No. 0751)

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m².K)/W)	d_N 25mm	0.85
		d_N 30mm	1.05
		d_N 40mm	1.40
		d_N 50mm	1.75
		d_N 60mm	2.10
		d_N 70mm	2.50
		d_N 80mm	2.95
		d_N 90mm	3.30
		d_N 100mm	3.70
		d_N 120mm	4.60
	d_N 140mm	5.35	
	d_N 160mm	6.15	
Thermal conductivity λ_D (W/(m.K))	d_N <80mm	0.028	
	d_N 80-119mm	0.027	
	$d_N \geq 120$ mm	0.026	
Thickness tolerance	d_N 25-49mm	T3	
	d_N 50-160mm	T2	
Reaction to fire		RtF E	
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		DLT(2)5	
Compressive strength	Compressive stress or compressive strength	CS(10Y)120	
Tensile / Flexural strength	Tensile strength perpendicular to faces	TR80	
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

Terry McGivern
Terry McGivern (Mar 26, 2025 15:35 GMT+1)

Winterswijk, The Netherlands, 26.03.2025