

Declaration of Performance

Therma™ TR28

2500.CPR.2019.TR28.003

Unique identification code of the product-type:
Intended use/es:
Manufacturer:

Therma™ TR28
Thermal insulation for buildings (ThIB)
Kingspan Insulation S.A.U., C-65 km16 Z.I. El Trust,
17244 Cassà de la Selva, Girona, SPAIN
System 4 (Reaction to fire), System 3 (Other properties)
UNE-EN 13165:2013+A2:2017
Centre Scientifique et Technique du Bâtiment (CSTB) NB. 0679,
APPLUS LGAI Technological Center NB. 0370

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

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	
	Thermal conductivity λ_D (W/(m.K))	0.022	
	Thickness tolerance	d_N 30-160mm	T2
Reaction to fire		F	
Durability of reaction to fire against heat, weathering, ageing / degradation		Reaction to fire does not change with time	
Dimensional stability under specified temperature and humidity condition		DS(70,90)3	
		DS(-20,0)1	
Deformation under specified compressive load and temperature conditions		DLT(2)5	
Compressive strength	Compressive stress or compressive strength	d_N 30-45mm	CS(10Y)175
		d_N 50-160mm	CS(10Y)200
Tensile / Flexural strength	Tensile strength perpendicular to faces	TR100	
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		No harmonized test method available	
Continuous glowing combustion		No harmonized test method available	
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:

Kingspan Insulation, S.A.U.
Ctra. C-65, Km. 16 - Pol. Ind. El Trust
Xavier Grabuleda 972 46 04 72
Managing Director Spain 27/02/2024
Cassà de la Selva, Girona, SPAIN