

Declaration of Performance

Kooltherm® K12

2210.CPR.2021.K12.002

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

Kooltherm® K12

Thermal insulation for buildings

Kingspan Insulation AB - Transportvägen 12 - 555 92, Jönköping (SE)

System 1; reaction to fire

System 3; all other characteristics

EN 13166:2012+A2:2016

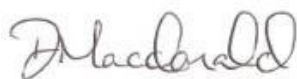
RISE (No.: 0402)

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m².K)/W)	d_N 50mm	2.35
		d_N 60mm	2.85
		d_N 70mm	3.30
		d_N 80mm	3.80
		d_N 90mm	4.25
		d_N 100mm	4.75
		d_N 120mm	5.70
	Thermal conductivity λ_D (W/(m.K))	d_N 50-120mm	0.021
	Thickness tolerance	d_N 50-120 mm	T1
	Closed cell content	CV	
Reaction to fire		RtF C-s1, d0	
Durability of reaction to fire against heat, weathering, ageing / degradation		NPD	
Dimensional stability under specified temperature and humidity condition		DS(70,-)	
		DS(70,90)	
		DS(-20,-)	
Compressive strength	Compressive stress or compressive strength	CS(Y)100	
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	
Water vapour permeability	Water vapour transmission	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:

David Macdonald,
Managing Director Continental Europe



Jönköping, Sweden, 01.07.2022