

Declaration of Performance

Kooltherm® K21 N

1003.CPR.2025.K21N.001

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

Kooltherm® K21 N

Thermal insulation for buildings

Kingspan Insulation BV - Lingewei 8 - 4004 LL, Tiel (NL)

System 1; reaction to fire

System 3; all other characteristics

NEN-EN 13166:2012+A2:2016

FIW München (No. 0751)

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m².K)/W)	d_N 80mm	3.80
		d_N 100mm	4.75
		d_N 120mm	5.70
		d_N 140mm	6.65
		d_N 150mm	7.10
	d_N 159mm	7.55	
	Thermal conductivity λ_D (W/(m.K))	d_N 80-159mm	0.021
	Thickness tolerance	d_N 80-159mm	T1
	Closed cell content	CV	
Reaction to fire		RtF B-s1, d0 (front side; black colour) RtF C-s2, d0 (back side; pale/light colour)	
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:

Terry Mc Givern,
Managing Director Continental Europe



Tiel, The Netherlands, 13.02.2025