

Declaration of Performance

Kooltherm® K5

1003.CPR.2013.K5.005

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

Kooltherm® K5

Thermal insulation for buildings - use in certified ETICS only

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)

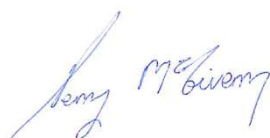
Essential characteristics		Performance	
Thermal resistance	Thermal resistance R _D ((m².K)/W)	d _N 20mm	0.95
		d _N 30mm	1.40
		d _N 40mm	1.90
		d _N 50mm	2.35
		d _N 60mm	2.85
		d _N 70mm	3.30
		d _N 80mm	3.80
		d _N 90mm	4.25
		d _N 100mm	4.75
		d _N 110mm	5.20
		d _N 120mm	5.70
		d _N 140mm	6.65
		2 layers product:	
		d _N 160mm	7.60
		d _N 180mm	8.55
		d _N 200mm	9.50
		Thermal conductivity λ _D (W/(m.K))	
		d _N 20-159mm	0.021
		d _N 160-200mm	0.021 (2 layers)
		Thickness tolerance	
d _N 20-200mm		T1	
Closed cell content		CV	
Reaction to fire		RtF C-s2, 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	
TR80			
Durability of compressive strength against ageing / degradation		Compressive creep	
NPD			
Water permeability		Short term water absorption	
		WS2	
Water vapour permeability		Long term water absorption	
		NPD	
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, 01.01.2025