

Declaration of Performance

Kooltherm® K5

1003.CPR.2013.K5.004

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

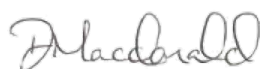
FIW München (No. 0751)

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m ² .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
	Thermal conductivity λ_D (W/(m.K))	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
		d_N 20-159mm	0.021
		d_N 160-200mm	0.021 (2 layers)
		Thickness	d_N 20-200mm
		Closed cell content	T1
Reaction to fire			CV
Durability of reaction to fire against heat, weathering, ageing / degradation			RtF C-s2, d0
Dimensional stability under specified temperature and humidity condition			NPD
Compressive strength	Compressive stress or compressive strength		DS(70,-)
Tensile / Flexural strength	Tensile strength perpendicular to faces		DS(70,90)
Durability of compressive strength against ageing / degradation	Compressive creep		DS(-20,-)
Water permeability	Short term water absorption		CS(Y)100
Water vapour permeability	Long term water absorption		TR80
Release of dangerous substances to the indoor environment	Water vapour transmission		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



Tiel, The Netherlands, 01.08.2023