

Declaration of Performance

Kooltherm® K15

1003.CPR.2013.K15.003

Unique identification code of the product-type:	Kooltherm® K15
Intended use/es:	Thermal insulation for buildings
Manufacturer:	Kingspan Insulation BV - Lingewei 8 - 4004 LL, Tiel (NL)
System/s of AVCP:	System 1; reaction to fire System 3; all other characteristics
Harmonised technical specification:	NEN-EN 13166:2012+A2:2016
Notified body/ies:	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	2.50
		d _N 60mm	3.00
d _N 70mm		3.50	
d _N 80mm		4.00	
d _N 90mm		4.50	
d _N 100mm		5.00	
d _N 120mm		6.00	
d _N 140mm		6.65	
d _N 150mm		7.10	
d _N 159mm		7.55	
Thermal resistance	Thermal conductivity λ_D (W/(m.K))	d _N 15-44mm	0.021
		d _N 45-120mm	0.020
		d _N 121-159mm	0.021
Thermal resistance	Thickness tolerance	d _N 20-200mm	T1
	Closed cell content		CV
Reaction to fire			RtF B-s1,d0
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,-)
			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		WS3
	Long term water absorption		NPD
Water vapour permeability	Water vapour transmission		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:

Henk Bassie,
Managing Director Continental Europe



Tiel, The Netherlands, 01.12.2019