

Declaration of Performance

Kooltherm® K7

1003.CPR.2013.K7.002

Unique identification code of the product-type: **Kooltherm® K7**
 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+A1:2015**
 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 conductivity λ_D (W/(m.K))	d _N 15-44mm	0.021	
	d _N 45-120mm	0.020	
	d _N 121-159mm	0.021	
Thickness tolerance	d _N 20-200mm	T1	
Closed cell content		CV	
Reaction to fire		RtF C-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)120	
Tensile / Flexural strength	Tensile strength perpendicular to faces	TR60	
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		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 Johan Bassie,
 Managing Director Continental Europe

Tiel, The Netherlands, 01.02.2016

