

Declaration of Performance

Kooltherm® K15

1000.CPR.2013.K15.001

1.	Unique identification code of the product-type	Kooltherm K15®
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)	See product label and marking on boards
3.	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Thermal insulation for buildings
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	Kingspan Insulation Pembroke Leominster Herefordshire HR6 9LA
5.	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	Not relevant
6.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	System 3
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	EN 13166:2012+A1:2015 Notified testing laboratory The University of Salford (NB 1145), BITS (NB 1334) and Exova (No. 1104) performed the determination of the product type on the basis of type testing (based on sampling carried out by the manufacturer), type calculation, tabulated values or descriptive documentation of the product under system 3

8. Declared performance

Essential characteristics	Performance		Harmonised technical specification
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	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	EN 12667 EN 12939 EN 823 EN 13501-1 EN 826 EN 1604 EN 1609 EN ISO 4590
Durability of thermal resistance against heat, weathering, ageing/degradation	See section 4.2.8.3 of EN 13166		
	Thermal conductivity λ_D (W/(m.K))	d _N 25-44mm 0.021 d _N 45mm + 0.020	
Thickness tolerance	d _N < 50mm d _N 50-100mm d _N > 100mm	T1; ±2,0mm T1; -2,0 +3,0mm T1; -2,0 +5,0mm	
Reaction to fire		RtF C,s1-d0	
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	The reaction to fire properties of PF does not change with time	
Compressive strength		CS(10/Y)100	
Dimensional stability under specified temperature and humidity condition	48 h, 70 °C	DS(70,-)	
	48 h, 70 °C, 90 % R.H.	DS(70,90)	
	48 h, -20 °C	DS(-20,-)	
Water permeability	Short term water absorption	NPD	
	Closed cell content	CV	

All other essential characteristics according to EN 13166:2012+A1:2015 ZA.1; NPD

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

 Peter Wilson Divisional Managing Director (name and function)	UK / 1 st July 2013 (place and date of issue)
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