

# Declaration of Performance

**KOOLTHERM® K18 INSULATED DRY LINING BOARD**  
**1000-CPR-2013.K18.001**

1.	Unique identification code of the product-type	<b>Kooltherm K18</b>
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)	<b>See CE mark label and marking on boards</b>
3.	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	<b>Thermal insulation &amp; gypsum plasterboard composite intended for use as internal insulation for buildings</b>
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	<b>Kingspan Insulation Limited Pembridge Leominster Herefordshire, HR6 9LA</b>
5.	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	<b>Not relevant</b>
6.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	<b>AVCP 3</b>
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	<b>EN 13950 Notified testing laboratory The University of Salford (NB 1145), Building Test Centre (NB 1575) 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</b>
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued	<b>Not relevant</b>

9. Declared performance

Essential characteristics	Performance		Harmonised technical specification
Reaction to fire	Reaction to fire	B-s1,d0	EN 13501-1
Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	$d_N$ 32.5 – 132.5 mm	0.90 – 6.05	EN 12667 EN 12939
Thermal conductivity $\lambda_D$ (W/(m.K))	PF 15mm – <25 mm PF 25mm - <45mm PF >45 mm Plasterboard	0.023 0.021 0.020 0.190	
Thickness	32.6-132.5	± 3.0 mm	EN 823
Length and width	Length	+0mm or -5mm	EN 822
	Width	+0mm or -4mm	
Offset	Length	+8mm or -5mm	
	Width	± 5.0 mm	
Flatness	On plasterboard face	≤ 5,0 mm	EN 825
Adhesion / Cohesion	Perpendicular to main face	≥0.017 MPa	EN 13950, Section 5.5
Flexural strength	Transverse	≥160 N	EN 520, Section 5.7
	Longitudinal	≥400 N	

All other essential characteristics according to EN 13950 Table ZA.1; NPĐ

Where pursuant to Article 37 or 38, the Specific Technical Documentation has been used, the requirements with which the product complies:

**Not relevant**

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. 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 Managing Director (name and function)	UK / 1 <sup>st</sup> July 2013 (place and date of issue)
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