

# Declaration of Performance

1	Unique identification code of the product-type:	<b>Ballytherm BTDL (Dry Lining Insulation)</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 product label for details (including the batch No)</b>	
3	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:	<b>Gypsum board thermal/acoustic insulation composite panels 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>Ballytherm Limited Annagh Industrial Park Ballyconnell Co Cavan Ireland</b>	
5	Where applicable, name and contact address of the authorised representative whose mandate covers the task specified in Article 12 (2):	<b>Not applicable</b>	
6	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:	<b>System 3</b>	
7	In case of the declaration of performance concerning a construction product covered by a harmonised standard:	<b>EN 13950:2014</b> <b>Notified testing laboratory 1:</b> <b>BBA Bucknalls Lane, Watford,</b> <b>Herts WD25 9BA , United</b> <b>Kingdom.</b> <b>Notified body No: 0836</b>  <b>Performed type testing under</b> <b>system 3 and issued test</b> <b>reports.</b>	<b>EN 13501-1:2007+A1:2009</b> <b>Notified testing laboratory 2:</b> <b>BRE Global Bucknalls Ln,</b> <b>Watford, WD25 9XX, United</b> <b>Kingdom.</b> <b>Notified body No: 0578</b>  <b>Performed type testing under</b> <b>system 3 and issued test</b> <b>reports.</b>
8	In case of the declaration of performance concerning a construction product for which a European technical assessment has been issued:	<b>Not applicable</b>	

## 9 Declared performance:

Essential characteristics	Performance		Harmonised technical specification.	
			Test Standard	Harmonised Standard
Reaction to fire -R2F	Euro class	B-s1, d0	EN 13501-1	EN 13950: 2014 (Gypsum plasterboard Thermal/acoustic insulation composite panels).
Water vapour resistance factor - $\mu$	12.5mm Plasterboard	10/4	EN ISO 10456	
	Insulation (25 – 55)	60/60		
Flexural strength -F	Transverse	$\geq 160$ N	EN 520, Section 5.7	
	Longitudinal	$\geq 400$ N		
Thermal conductivity $\lambda_D$ (W/(m.K))	Insulation 20 – 200mm	0.022	EN 12667 & 12939	
	Plasterboard 12.5mm	0.190	EN ISO 10456	
Thermal resistance $R_D$ ((m <sup>2</sup> K/W))	dN 30mm -	0.975m <sup>2</sup> K/W		
	dN 38mm -	1.202m <sup>2</sup> K/W		
	dN 50.5mm -	1.793m <sup>2</sup> K/W		
	dN 62.5mm -	2.338m <sup>2</sup> K/W		
	dN 72.5mm -	2.793m <sup>2</sup> K/W		
	dN 82.5mm -	3.248m <sup>2</sup> K/W		
	dN 92.5mm -	3.702m <sup>2</sup> K/W		
	dN 102.5mm -	4.157m <sup>2</sup> K/W		
	dN 112.5mm -	4.611m <sup>2</sup> K/W		
	dN 122.5mm -	5.066m <sup>2</sup> K/W		
	dN 132.5mm -	5.520m <sup>2</sup> K/W		
	dN 142.5mm -	5.975m <sup>2</sup> K/W		
	dN 152.5mm -	6.429m <sup>2</sup> K/W		
	dN 162.5mm -	6.884m <sup>2</sup> K/W		
	dN 172.5mm -	7.338m <sup>2</sup> K/W		
Thickness	dN 30 – 172.5mm	$\pm 3$ mm	EN 823	
Length and width	Length	+0mm or -5mm	EN 822	
	Width	+0mm or -4mm		
Offset	Length	+8mm or -5mm		
	Width	$\pm 5$ mm		
Flatness	Plasterboard face	$\leq 5.0$ mm	EN 825	
Adhesion / Cohesion Perpendicular to main face	Class 1	$\geq 0.017$ MPa	EN 13950 Section 5.5	
Compressive Strength	Insulation	CS (10\Y)100	EN 826	
Impact Resistance	System dependent			
Acoustic absorption	System dependent			
Dangerous substances - DS	NPD			

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

Where pursuant to Article 37 Use of simplified procedures by micro-enterprises or 38 Other simplified procedures the Specific Technical Documentation has been used, the requirements with which the product complies: **(Not Relevant)**

**10 Declaration:** 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:



Brendan Cosgrove Managing Director (Name and function)	ROI / July 2014 (Place and date of issue)
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