



EN 13950 : 2005

Declaration of Performance

Identification: BTDL

Version No. 2

Dec 2013

Declaration of Performance

1	Unique identification code of the product-type:	Ballytherm BTDL (Dry Lining Insulation)	
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 for details (including the batch No)	
3	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:	PIR Thermal Insulation & gypsum plasterboard composite panel intended for use as internal 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):	Ballytherm Limited Annagh Industrial Park Ballyconnell Co Cavan Ireland	
5	Where applicable, name and contact address of the authorised representative whose mandate covers the task specified in Article 12 (2):	Not applicable	
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 13950:2005 Notified testing laboratory 1: BBA Bucknalls Lane, Watford, Herts WD25 9BA , United Kingdom. Notified body No: 0836 Performed type testing under system 3 and issued test reports.	EN 13501-1:2007+A1:2009 Notified testing laboratory 2: BRE Global Bucknalls Ln, Watford, WD25 9XX, United Kingdom. Notified body No: 0578 Performed type testing under system 3 and issued test reports.
8	In case of the declaration of performance concerning a construction product for which a European technical assessment has been issued:	Not applicable	

9 Declared performance:


Essential characteristics	Performance		Harmonised technical specification.	
			Test Standard	Harmonised Standard
Reaction to fire	Euro class	B-s1, d0	EN 13501-1	EN 13950: 2005 (Gypsum plasterboard Thermal/acoustic insulation composite panels).
Water vapour resistance factor - μ	12.5mm Plasterboard Insulation (25 – 55)	10/4 60/60	EN ISO 10456	
Flexural strength	Transverse Longitudinal	≥ 160 N ≥ 400 N	EN 520, Section 5.7	
Thermal conductivity λ_D (W/(m.K))	Insulation 20 – 200mm Plasterboard 12.5mm	0.022 0.190	EN 12667 & 12939 EN ISO 10456	
Thermal resistance R_D ((m ² K/W))	dN 30mm - dN 38mm - dN 50.5mm - dN 62.5mm - dN 72.5mm - dN 82.5mm - dN 92.5mm - dN 102.5mm - dN 112.5mm - dN 122.5mm - dN 132.5mm - dN 142.5mm - dN 152.5mm - dN 162.5mm - dN 172.5mm -	0.975m ² K/W 1.202m ² K/W 1.793m ² K/W 2.338m ² K/W 2.793m ² K/W 3.248m ² K/W 3.702m ² K/W 4.157m ² K/W 4.611m ² K/W 5.066m ² K/W 5.520m ² K/W 5.975m ² K/W 6.429m ² K/W 6.884m ² K/W 7.338m ² K/W		
Thickness	dN 30 – 172.5mm	± 3 mm	EN 823	
Length and width	Length Width	+0mm or -5mm +0mm or -4mm	EN 822	
Offset	Length Width	+8mm or -5mm ± 5 mm		
Flatness	Plasterboard face	≤ 5.0 mm	EN 825	
Adhesion / Cohesion Perpendicular to main face	Class 1	≥ 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			

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 / 31 st Dec 2013 (Place and date of issue)
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