



EN 13165 : 2012

Declaration of Performance

Identification: BTF

Version No. 2

Dec 2013

Declaration of Performance


1	Unique identification code of the product-type:	Ballytherm BTF (Floor 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 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 combined with system 4 for reaction to fire	
7	In case of the declaration of performance concerning a construction product covered by a harmonised standard:	EN 13165:2012 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 (See4)	

9 Declared performance:

Essential characteristics	Performance		Harmonised technical specification.	
			Test Standard	Harmonised Standard
Thermal conductivity λ_D (W/(m.K))	0.022		EN 12667	EN13165:2012
Thermal resistance R_D (m ² K/W)	d_N 25mm -	1.136m ² K/W		
	d_N 30mm -	1.364m ² K/W		
	d_N 35mm -	1.590m ² K/W		
	d_N 40mm -	1.818m ² K/W		
	d_N 50mm -	2.272m ² K/W		
	d_N 60mm -	2.727m ² K/W		
	d_N 65mm -	2.955m ² K/W		
	d_N 70mm -	3.181m ² K/W		
	d_N 75mm -	3.409m ² K/W		
	d_N 80mm -	3.636m ² K/W		
	d_N 90mm -	4.091m ² K/W		
	d_N 100mm -	4.545m ² K/W		
	d_N 110mm -	5.000m ² K/W		
	d_N 120mm -	5.454m ² K/W		
	d_N 125mm -	5.681m ² K/W		
	d_N 130mm -	5.909m ² K/W		
	d_N 140mm -	6.363m ² K/W		
	d_N 150mm -	6.818m ² K/W		
Reaction to fire	Euroclass Rt	F	EN 13501-1	
Thickness	d_N < 50mm -	T2; \pm 2mm	EN 823	
	d_N 50 to 75mm -	T2; \pm 3mm		
	d_N > 75mm -	T2; +5, -3mm		
Length and width	<1000mm	\pm 5mm	EN 822	
	1000 to 2000mm	\pm 7mm		
	2001 to 4000mm	\pm 10mm		
	>4000mm	\pm 15mm		
Squareness	\leq 5mm/m		EN824	
Flatness	Length	\leq 2,50m	EN 825	
	Area \leq 0,75m ²	Deviation \leq 5mm		
	Area >0,75m ²	Deviation \leq 10mm		
Flatness after one side wetting	FW2	Deviation \leq 10mm	EN 825	
Long term water absorption (immersion)	Wlt 28Days	\leq 1.5%v/v	EN 12087	
Water vapour permeability	Z	60-100 (h m ² Pa)/mg	EN 12086	
Compressive Strength	CS (10\Y)140		EN 826	
Dimensional stability under specified temperatures and humidity conditions	48 h, 23°C, 90% R.H.	DS (23,90)2	EN1604	
	48 h, -20°C	DS (-20,-)2		
Deformation under specified compressive load and temperature conditions	20 kPa, 23°C, 48h	DLT (1)5	EN 1605	
	20 kPa, 80°C, 48h	DLT (1)5		

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 December 2013 (Place and date of issue)
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