



## PIR INSULATION - DECLARATION OF PERFORMANCE

**DOP Number:** 010/20

**Designation Code:** PIR-EN 13165- T2-W2-L2-DS(TH)4-DS(-20)2-WL(T)2-CS(10/Y)150

1. Unique Identification code of Product type

Mannok IsoShield - Full Fill Cavity Wall Insulation

2. Type, Batch or Serial Number or any other Element allowing identification of the Product

Therm IsoShield Full Fill - 72mm, 97mm, 122mm, 147mm

3. Intended use or uses of the product, in accordance with the applicable harmonized technical specification

PIR Thermal Insulation board for the construction Industry

4. Name and registered address of manufacturer

Mannok Insulation Ltd,  
Scotchtown, Ballyconnell,  
Co Cavan, Ireland

5. System or systems and verification of constancy of performance of the product as set out in AVCP System 3

6. Covered by harmonised standard

EN 13165

7. Name and address of the notified bodies determining product-type on the basis of type testing

BRE Global, Bucknalls Lane,  
Watford, Herts, WD259XX, UK

British Board of Agrément,  
PO Box 195, Bucknalls Lane,  
Garston, Herts WD2598A, UK

8. Notified Testing Laboratory Number

BRE Test No: 0832

Notified Testing Laboratory Number

BBA Test No: 0836



## 9. Declared Performances

Essential Characteristic	Performance		Harmonised Technical Specification		
Reaction to Fire	Euro Class E		EN 13165	EN 13501-1	
Thermal Resistance	RD ((m <sup>2</sup> .K)/W)			EN 12939	
Thermal Conductivity	W/mK			0.022	EN12667
Compressive Strength	kPa			CS (10\Y)150	EN826
Long Term Water Absorption				WL (T)2	EN12087
Length & Width	mm	450 x 1200		L2&W2 <1000 mm: ± 4mm 1000 to 2000mm: ± 5mm 2001 to 4000mm: ± 8mm >4000mm: ± 12mm	EN822
PIR Thickness	d <sup>N</sup>			72mm – 147mm T <sub>2</sub>	EN 823
Squareness	mm/m			S <sub>b</sub> ≤/ = 5	EN824
Flatness	mm			Length ≤ 2.50mm Area ≤ 0.75m <sup>2</sup> : deviation ≤ 5mm Area > 0.75m <sup>2</sup> : deviation ≤ 10mm	EN825
Release of Dangerous substances	No harmonised test method available				
Flexural Strength	No performance declared.				
Tensile Strength Perpendicular to Faces	No performance declared.				EN1607
Durability of reaction to fire against heat, weathering, aging/ degradation	Reaction to Fire does not change over time				
Dimensional stability under specified temperature and humidity conditions	DS(TH)4 & DS(-20,-)2				EN1604

10. The performance of the product identified in points 1 & 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. Name and position held by the person empowered to sign the declaration on behalf of the manufacturer.

Liam McCaffrey CEO  
16th November 2020