



# PIR INSULATION - DECLARATION OF CONFORMITY

**DOP Reference:** 005/20

**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 Therm Roof / MR - Insulated Foil Faced Pitched Roof Board

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

Pitched Roof Board 20-200mm

## 3. Intended use or uses of the product, in accordance with the applicable harmonised 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

BS EN 13165

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

LGAI Tech centre S.A./ Applus  
Campus UAB, Apto Correos 08193  
Bellaterra, Spain  
Notified body no. 0370

British Board of Agrément,  
PO Box 195, Bucknalls Lane,  
Garston, Herts WD2598A, UK  
Notified body no. 0836



## 9. Declared Performances

Essential Characteristic	Performance	Harmonised Technical Specification	
Reaction to Fire	Euro Class E	All Thicknesses	
Thermal Resistance	RD ((m <sup>2</sup> .K)/W)	d <sup>N</sup> 25mm = 1.14 d <sup>N</sup> 30mm = 1.36 d <sup>N</sup> 50mm = 2.27 d <sup>N</sup> 55 mm = 2.5 d <sup>N</sup> 60mm = 2.73 d <sup>N</sup> 70 mm = 3.18 d <sup>N</sup> 80 mm = 3.64 d <sup>N</sup> 90 mm = 4.09 d <sup>N</sup> 100mm = 4.55 d <sup>N</sup> 110mm = 5 d <sup>N</sup> 120 mm = 5.45 d <sup>N</sup> 125 mm = 5.68 d <sup>N</sup> 130mm = 5.91 d <sup>N</sup> 140 mm = 6.36 d <sup>N</sup> 150mm = 6.82 d <sup>N</sup> 200mm = 9.09	
Thermal Conductivity	W/mK	0.022	
Compressive Strength	kPa	CS (10\Y)150	
Long Term Water Absorption		WL (T) 2	
Length & Width	mm	1200 x 2400	L2&W2 <1000 mm: ± 4mm 1000 to 2000mm: ± 5mm 2001 to 4000mm: ± 8mm >4000mm: ± 12mm
PIR Thickness	d <sup>N</sup>	20mm - 200mm T <sub>2</sub>	
Squareness	mm/m	S <sub>b</sub> ≤ 5	
Flatness	mm	Length ≤ 2.50mm Area ≤ 0.75m <sup>2</sup> : deviation ≤ 5mm Area > 0.75m <sup>2</sup> : deviation ≤ 10mm	
Release of Dangerous substances	No harmonised test method available		
Flexural Strength	No performance declared.		
Tensile Strength Perpendicular to Faces	No performance declared.		
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		

**BS EN 13165**

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 McCaffery

CEO

 21<sup>st</sup> November 2022