



# PIR INSULATION - DECLARATION OF PERFORMANCE

**DOP Reference:** 011/20

**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 IsoFrame - Steel/Timber Frame Insulation

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

Therm Foil Faced Insulation for Load Bearing Steel/Timber Frame Applications

## 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

EN 13165:2012 +A2:2016

## 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

## 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 Performances

Essential Characteristic	Performance	Harmonised Technical Specification	
Reaction to Fire	Euro Class F		EN 13501-1
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> 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	EN 12939
Thermal Conductivity	W/mK	0.022	EN12667
Compressive Strength	kPa	CS (10\Y)150	EN826
Long Term Water Absorption		WL (T) 2	EN13950
Length & Width	mm	1200 x 2400	EN822
PIR Thickness	d <sup>N</sup>	20mm - 200mm 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.		
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

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.



Dara O'Reilly  
 CEO  
 20<sup>th</sup> September 2024