



PIR INSULATION - DECLARATION OF PERFORMANCE

DOP Reference: 001/20

Designation Code: PIR-EN 13165- T2-W2-L2-DS(TH)4-DS(-20)2-WL(T)2-CS(10/Y)140

1. Unique Identification code of Product type

Mannok Therm Laminate-Foil / MLF - Insulated Foil Faced Composite Board

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

Therm Laminate-Foil - Foil backed Insulation (both sides) 20-200mm. Laminated to 9.5mm, 12.5mm or 15.0mm Plasterboard

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 B s1,d0		Bonded to Gypsum Plasterboard 9.5mm, 12.5mm or 15mm	EN 13950	EN 13501-1
Thermal Resistance	RD ((m².K)/W)		d ^N 17mm = 0.77 d ^N 25mm = 1.14 d ^N 30mm = 1.36 d ^N 50mm = 2.27 d ^N 55 mm = 2.5 d ^N 60mm = 2.73 d ^N 70 mm = 3.18 d ^N 80 mm = 3.64		EN 12939
Thermal Conductivity	W/mK		0.022		EN12667
Compressive Strength	kPa		CS (10\Y)140		EN826
Water Vapor Resistance	m²sPa/kg		1-3 x10 ¹¹ to 0.6 - 1.5 x 10 ¹¹		EN13950
Length & Width	mm	1200 x 2400 1200 x 2438 1200 x 2700 1200 x 2743 1200 x 3000	Lenght +0,-5mm Width +0,-4mm		EN822 En13950 En520
PIR Thickness	d ^N		17mm - 80mm ± 3mm		EN13950
Squareness	mm/m		S _b </= 5		EN824
Flatness	mm		Length ≤ 2.50mm Area ≤ 0.75m² : deviation ≤ 5mm Area > 0.75m² : 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.



Dara O'Reilly
CEO

23rd January 2025