



PIR INSULATION - DECLARATION OF PERFORMANCE

DOP Number: 008/20

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 / MFR-GFR - Glass Fibre Faced Flat Roof Insulation Board

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

Glass Fibre Faced Flat Roof 25-150mm-PIR insulation

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
Reaction to Fire In Use	B _{Roof} (t ₄)		
Thermal Resistance	RD ((m ² .K)/W)		
Thermal Conductivity	W/mK		
Compressive Strength	kPa		
Long Term Water Absorption			
Length & Width	mm	1200 x 600	
PIR Thickness	d ^N		
Squareness	mm/m		
Flatness	mm		
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		
			EN 13501-1
			EN 13501-5
		d ^N 25mm = 0.96 d ^N 30mm = 1.15 d ^N 50mm = 1.92 d ^N 55 mm = 2.5 d ^N 60mm = 2.72 d ^N 70 mm = 2.69 d ^N 80 mm = 3.2 d ^N 90 mm = 3.6 d ^N 100mm = 4 d ^N 120 mm = 5 d ^N 125 mm = 5.21 d ^N 130mm = 5.42 d ^N 140 mm = 5.83 d ^N 150mm = 6.25	EN 12939
		0.026 (25 - 79mm); 0.025 (80 -119mm); 0.024 (120 -150)	EN12667
		CS (10Y)150	EN826
		WL (T) 2	EN13950
		L2&W2 <1000 mm: ± 4mm 1000 to 2000mm: ± 5mm 2001 to 4000mm: ± 8mm >4000mm: ± 12mm	EN822
		25mm - 150mm T ₂	EN 823
		S _b ≤/ = 5	EN824
		Length ≤ 2.50mm Area ≤ 0.75m ² : deviation ≤ 5mm Area > 0.75m ² : deviation ≤ 10mm	EN825
			EN1607
			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