



PIR INSULATION - DECLARATION OF PERFORMANCE

DOP Number: 002/20

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 Laminate-Kraft / MLK - Insulated Kraft Paper Faced Composite Board

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

Therm Laminate-Kraft - KFP Paper (Both sides) backed 20-80mm: laminated to Plasterboard (9.5mm or 12.5mm).

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

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

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 or 12.5mm	EN 13501-1/ EN 13950-1
Thermal Resistance	RD ((m ² .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)150	EN826
Water Vapor Resistance	m ² sPa/kg	1-3 x10 ¹¹ to 0.6 - 1.5 x 10 ¹¹	EN13950
Length & Width	1200 x 2400mm 1200 x 2438mm 1200 x 2700mm 1200 x 2743mm 1200 x 3000mm	L2&W2 <1000 mm: ± 4mm 1000 to 2000mm: ± 5mm 2001 to 4000mm: ± 8mm >4000mm: ± 12mm	EN822
PIR Thickness	d ^N	20mm - 80mm T ₂	EN 823
Squareness	mm/m	S _b <= 5	EN824
Flatness	mm	Length ≤ 2.50mm Area ≤ 0.75m ² : deviation ≤ 5mm Area > 0.75m ² : 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 McCaffery
CEO

12th September 2022