MANNOK

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PIR INSULATION - DECLARATION OF CONFORMITY

DOP Reference: 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 17-200mm: laminated to Plasterboard (9.5mm, 12.5mm or 15mm)

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

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9. Declared Performances

Essential Characteristic	Performance		Harmonised Technical Specification		
Reaction to Fire	Euro Class E		Bonded to Gypsum Plasterboard 9.5mm, 12.5mm or 15mm	BS EN 13165	BS EN 13501-1/
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		BS EN 12939
Thermal Conductivity	W/mK		0.022		BS EN12667
Compressive Strength	kPa		CS (10\Y)150		BS EN826
Water Vapor Resistance	m^2sPa/kg		1-3 $x10^{11}$ to 0.6 – 1.5 $x\ 10^{11}$		BS EN13950
Length & Width	mm	1200 x 2400 1200 x 2438 1200 x 2700 1200 x 2743 1200 x 3000	L2&W2 <1000 mm: ± 4mm 1000 to 2000mm: ± 5mm 2001 to 4000mm: ± 8mm >4000mm: ± 12mm		BS EN822
PIR Thickness	d^N		17mm – 80mm T_2		BS EN 823
Squareness	mm/m		S_b </= 5		BS EN824
Flatness	mm		Length ≤ 2.50mm Area ≤ $0.75m^2$: deviation ≤ 5mm Area > $0.75m^2$: deviation ≤ 10mm		BS EN825
Release of Dangerous substances	No harmonised test method available				
Flexural Strength	No performance declared.				
Tensile Strength Perpendicular to Faces	No performance declared.				BS 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				BS 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
21st November 2022