



EPS INSULATION - DECLARATION OF PERFORMANCE

DOP Reference: 001/013

Designation Code: EPS-EN 13163- T2-W2-L2-DS(70,90)1-CS(10)100

1. Unique Identification code of Product type

Mannok - EPS Insulation (Expanded Polystyrene)

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

EPS Pearl 100

3. Intended use or uses of the product, in accordance with the applicable harmonised technical specification

EPS (Expanded Polystyrene) Thermal Insulation Board for the construction Industry

4. Name and registered address of manufacturer

Mannok EPS Insulation (A division of Mannok Cement Ltd)
Rathcronan, Granard
Co. Longford, 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 13163

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 E	Thickness dependent	EN 13501-1
Thermal Resistance	RD ((m ² .K)/W)	d ^N 25mm = 0.80645 d ^N 50mm = 1.61290 d ^N 70mm = 2.2580 d ^N 100mm = 3.2258 d ^N 130mm = 4.1935 d ^N 150mm = 4.8387 d ^N 170mm = 5.4838 d ^N 200mm = 6.4516	EN 12939
Thermal Conductivity	W/mK	0.031	EN12667
Compressive Strength	kPa	CS (10\Y) 100	EN826
Water Absorption		Wlt (Vol%) 3.2 Wlp(Kgm-2)0.1	EN16535
Length & Width	mm 1200 x 600 1800 x 1200 2400 x 1200	L2&W2: (± 2mm, ± 2mm)	EN822
Thickness	d ^N	T2: (± 2mm)	EN 823
Squareness	mm/m	S2 (±2mm/1000mm)	EN824
Flatness	mm	P3 (±3mm)	EN825
Release of Dangerous substances	No harmonised test method available		
Bending Strength	Kpa	≥150	EN12089
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(N)2 (±0.2), DS (70,90)1 (±2%)		EN1604
Water Vapour Diffusion Resistance Factor μ	20 to 40		EN13163
Water Vapour Permeability mg/ (Pa.N.M)	0.018-0.036		EN13163

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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
3rd April 2023