

DOMOLAM TILE PT-R

DESCRIPTION:

The product DOMOLAM **PT-R** is a self-supporting double skin metal faced insulating panel, which is factory manufactured from two metal sheets joined together with polyurethane foam.

APPLICATION SCOPE:

The product is used for the covering of external roofs a water and air tightness and thermal insulation.

QUALITY:

Products are submitted to tests according to the

EN 14509:2013.




ENVIRONMENTAL PROTECTION:

The PUR foam consists of closed cells, is chemically neutral, non toxic, and is produced from environmentally friendly technology with N- Pentane as blow agent without the use of CFC, HCFC.

TECHNICAL CHARACTERISTICS:

PT-R – EN 14509

Πάχος πάνελ panel thickness	Πάχος ελασμάτων support thickness	Βάρος weight	U	Μέγιστες επιτρεπόμενες ομοιόμορφες φορτίσεις / max load capacity (kg/m ²) Απόσταση μεταξύ των τεγίδων / Purlins spacing (m)							
											
mm	mm	kg/m ²	W/m ² K	1,05	1,40	1,75	2,10	2,45	2,80	3,15	3,50
50	0,50	11,30	0,43	360	240	170	130	100	75		
60	0,50	11,72	0,36	590	400	290	220	170	130	100	80

U – Thermal transmittance coefficient

DECLARATION OF PERFORMANCE

No.10/PUR B3/TILE

- | | |
|---|---|
| 1. Unique identification code of the product-type: | DOMOLAM PUR B3 PT |
| 2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): | PT-R 50 |
| 3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: | Self supporting double skin metal faced insulating panels - Roofs |
| 4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): | PAGOUNI S.A. 57008, Thessaloniki, Greece |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | Not relevant |
| 6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: | AVCP – System 4 |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | EN 14509:2013 |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: | Not relevant |

9. Declared performance

Essential characteristics	Performance	Harmonized technical specification
External pre-painted galvanized steel	S280+Z140	EN 10346
Internal pre-painted galvanized steel	S280+Z140	EN 10346
Thickness in mm	47	EN 14509
External steel thickness	0.45	EN 10143
Internal steel thickness	0.35	EN 10143
External prepainted coating (μm)	Standard Polyester 20+5	EN 10169
Internal prepainted coating (μm)	Standard Polyester 20+5	EN 10169
Thermal transmittance ($\text{W}/\text{m}^2\text{K}$)	0.43	EN 13165, EN 12524
Density (kg/m^3)	47	EN 1602
Mass (kg/m^2)	10.9	EN 14509
Reaction to fire	C-s3-d0	EN 13501-1
Resistance to fire	-	EN 13501-2
External fire performance	B _{ROOF(t1)}	CEN / TS 1187
Water permeability	Class A	EN 12865
Water vapor permeability	Impermeable	EN 14509
Air permeability ($\text{m}^3 / (\text{mhdaPa}^{0.73})$)	0.01	EN 12114
Airborne sound insulation R_w (dB)	25	EN ISO 717-1
Tensile strength (MPa)	0.14	EN 14509
Compressive strength (MPa)	0.16	EN 14509
Shear strength (MPa)	0.09	EN 14509
Shear modulus (MPa)	2.47	EN 14509
Creep coefficient t=2000 h	2	EN 14509
Creep coefficient t=10000 h	7	EN 14509

Bending resistance in the span (kNm/m)		EN 14509
- +ve bending	2,70	EN 14509
- +ve bending, elevated temperature	2,50	EN 14509
- -ve bending	1,90	EN 14509
- -ve bending, elevated temperature	1,75	EN 14509

10. The performance of the product identified in points 1 and 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.

Signed for and on behalf of the manufacturer by:



Vrellas Charisis - Quality Engineer of Pagouni SA

Thessaloniki 02.09.2015