

DECLARATION OF PERFORMANCE

NR 32/2/13165

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| 1 Unique product identification code | Thermal insulation panels made from PIR foam with aluminium laminate cladding THERMANO |
| 2 Type, batch, serial number or other product identification details | <p>Identification of product batch – details included in product label on each pack, serial number printed on each panel</p> <p>Product thickness[mm]: 40,50,60,80,100,120,140,160,180,200</p> <p>Thermal insulation[kg/m³]: PIR, density 30±2</p> <p>Cladding: aluminium laminated paper thickness 7µm</p> |
| 3 Intended application of the product according to the related harmonized technical specification | Thermal insulation panels made of PIR foam with aluminium laminate claddings for insulating walls, roofs and floors |
| 4 Name, manufacturer's address | <p>BALEX METAL Sp. z o.o.
ul. Wejherowska 12 C, 84-239 Bolszewo</p> <p>Production plant:

IZO BALEX Sp z o.o. spółka komandytowa
ul. Spalska 145/155, 97-200 Tomaszów Mazowiecki</p> |
| 5 Rating and verification system of performance stability | System 3 |
| 6 The technical assessment authority | Instytut Techniki Budowlanej
ul. Filtrowa 1, 00-611 Warszawa
Notified body no. 1488 |
| 7 Declared performance | |

Essential requirements	Declared performance	Harmonized technical specification
Reaction to fire	E	PN-EN 13165:2010
Long term water absorption	WL(T)2	PN-EN 13165:2010
Flatness after one-sided moistening	FW2	PN-EN 13165:2010

Thermal conductivity λ_D [W/mK]	0,022 (acc. to annex A PN-EN13165:2010)	PN-EN 13165:2010
Thermal conductivity incl. aging λ_D [W/mK]	0,028(40-60); 0,027(80-100); 0,026(120-200)	PN-EN 13165:2010
Thermal resistance R_D [m ² K/W]	40(1,85), 50(2,35), 60(2,8), 80(3,75), 100(4,7), 120(5,6), 140(6,55), 160(7,5), 180(8,45), 200(9,4)	PN-EN 13165:2010
Thermal resistance incl. aging R_D [m ² K/W]	40(1,45), 50(1,8), 60(2,2), 80(3,05), 100(3,8), 120(4,75), 140(5,55), 160(6,35), 180(7,15), 200(7,95)	PN-EN 13165:2010
Thickness	T1	PN-EN 13165:2010
Compressive strength	CS(10)100	PN-EN 13165:2010
Tensile strength	TR70	PN-EN 13165:2010
Dimensional stability	DS(TH)6	PN-EN 13165:2010

- 8** The performance of the product specified in points 1, 2 is in accordance with data declared in point 7.

This performance declaration is issued to the exclusive responsibility of the manufacturer specified in point 4.

On behalf of the manufacturer signed by:

Grzegorz Orzechowski
Quality manager

Bolszewo, 01.07.2013

