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DECLARATION OF PERFORMANCE
NO. 34/5/13165/IZOLITE AP7

1	**Unique product type identification code:**	Rigid polyisocyanourate foam (PIR) plates in aluminium laminate lining, diffusion-closed type **IZOLITE AP7: 40, 50, 60, 80, 100, 110, 120, 140**
	Type, batch or series number, or other information enabling identification of the product	Information identifying the product batch - listed on the label of each product packaging, serial number printed on every board
2	**Intended applications, in accordance with the harmonised technical specification**	Insulation plates used for thermal insulation in building construction as roof, wall and floor insulation.
3	**Manufacturer**	**BALEX METAL sp. z o.o.** ul. Wejherowska 12C 84-239 Bolszewo Manufacturing plant: Tomaszów Mazowiecki: ul. Spalska 145/155, 97-200 Tomaszów Mazowiecki
4	**Authorized representative**	Not established
5	**System for assessment and verification of functional properties stability**	All properties: system 3
6	**Harmonised norm**	13165+A2:2016-08 Thermal insulation products for construction. Rigid polyurethane foam (PUR) products manufactured in-plant. Specification Notified units: Building Research Institute (no. 1488)

7 **Declared functional properties**

Primary characteristics	Functional properties		Harmonised technical specification
Reaction to fire	Fire protection class (Euroclass)	E	PN-EN-13165+A2:2016-08
Stability of reaction to fire as a function of heat, atmospheric conditions, ageing/degradation		Properties of reaction to fire do not change	
Continuous incandescent combustion		No harmonised test methods	
Nominal thickness	Nominal thickness d_N (mm)	TABLE 1	
Thickness tolerance	Thickness tolerance class	T	
Thermal conductivity	Declared thermal conductivity coefficient λ_D (W/mK)		
Thermal resistance	Declared thermal resistance R_D (m^2K/W)		
Dimension stability	Dimensional stability under specific temperature and humidity conditions	DS.	
Length and width performance tolerances	< 1,000 mm	±5 mm	
	from 1,000 to 2,000 mm	±7.5 mm	
	from 2,000 to 4,000 mm	±10 mm	
	> 4,000 mm	15 mm	

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Stability of heat resistance as a function of heat, atmospheric conditions, ageing/degradation	Heat resistance stability due to ageing		Heat resistance does not change (ageing effect included)
	Deformation under specific conditions of compressive load and temperature		No data
	Method of determination of coefficients of thermal conductivity and heat resistances		APPENDIX C.5 PN-EN 13165:2013-05
Compression stresses	Compression stresses (kPa)		CS(10/Y)150
Stability of compression stresses as a function of aging/degradation	Creep coefficient		No data
Tensile strength	Tensile strength perpendicular to surface (kPa)		TR70
Water absorption	Flatness after one-side humidification (mm)		FW2
	Water absorption at prolonged full submersion	%	WL(T)2
Steam permeation	Resistance to water vapour diffusion	Z	No data
Release of hazardous substances to the internal environment			No harmonised test methods
Sound absorption	Sound absorption coefficient		No data
	Insulation coefficient for airborne sounds carried directly		No data

Nominal thickness d_N(mm)	Thickness tolerance class	Declared thermal conductivity coefficient λ_D(W/mK)	Declared thermal resistance R_D(m^2K/W)	Dimensional stability under specific temperature and humidity conditions		Harmonised technical specification
				DS(70,90)	DS(-20,-)	
40	T1	0.022	1.80	2	1	PN-EN-13165+A2:2016-08
50	T1	0.022	2.25	2	1	
60	T1	0.022	2.70	2	1	
80	T1	0.022	3.60	2	1	
100	T1	0.022	4.55	2	1	
110	T1	0,022	5,00	2	1	
120	T1	0.022	5.40	2	1	
140	T1	0.022	6.35	2	1	
150	T1	0,022	6,80	2	1	

Performance characteristics of the above product comply with the set of declared performance characteristics. This declaration of performance characteristics is issued in accordance to the Regulation (EU) no. 305/2011 at the sole responsibility of the manufacturer BALEXMETAL Sp. z o.o.

Bolszewo, 21st November 2018

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Signed in the name of the manufacturer by:

Elżbieta Mehring
Quality manager