

1.	Name and unique identification code of the product-type:	Panel PIR ALK Polyisocyanurate rigid foam (PIR) panels faced, both sides, with a multi-layered aluminium complex.
2.	Intended uses of the construction product:	Thermal insulation for buildings (ThIB). Thermal insulation for deck type metal roofing.
3.	Manufacturer:	Poliuretanos, S.A. Z.I. El Trust, Ctra. C-65, km 16 17244 Cassà de la Selva - Girona (Spain) Tel. +34 972 46 04 72 Fax. +34 972 46 17 19 e-mail: info@poliuretanos.com
4.	System of assessment and verification of constancy of performance of the construction product (AVCP):	AVCP 3
5.	Harmonised standard: Notified body/ies: Notified laboratory/ies:	EN 13165:2012+A2 :2016 - Centre Scientifique et Technique du Bâtiment (CSTB) , notified testing laboratory N° 0679. APPLUS LGAI Technological Center , notified testing laboratory N° 0370.

DECLARATION OF PERFORMANCE
EN 13165:2012+A2 :2016
CPR-2013.19_5
Poliuretanos, S.A.

6. Declared performance

<i>Essential characteristics</i>	<i>Performance</i>																	
Reaction to fire	Generic use	E																
Reaction to fire – end use	Thermal insulation for deck type metal roofing	B-s2,d0 Standard assembly n°3																
Water permeability	Water absorption short term Water absorption long term	NPD WL(T)1																
	Flatness after one-sided wetting	NPD																
Release of dangerous substances to the indoor environment	No harmonised test method available																	
Acoustic absorption index	Sound absorption	NPD																
Direct airborne sound insulation index	Sound absorption	NPD																
Continuous glowing combustion	No harmonised test method available																	
Thermal resistance	Thermal resistance R_D ($m^2 \cdot K/W$)	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">$d_N: 25mm R_D=1,05$</td> <td style="width: 33%;">$d_N: 100mm R_D=4,35$</td> </tr> <tr> <td>$d_N: 30mm R_D=1,30$</td> <td>$d_N: 110mm R_D=4,80$</td> </tr> <tr> <td>$d_N: 40mm R_D=1,70$</td> <td>$d_N: 120mm R_D=5,20$</td> </tr> <tr> <td>$d_N: 50mm R_D=2,15$</td> <td>$d_N: 130mm R_D=5,65$</td> </tr> <tr> <td>$d_N: 60mm R_D=2,60$</td> <td>$d_N: 140mm R_D=6,10$</td> </tr> <tr> <td>$d_N: 70mm R_D=3,05$</td> <td>$d_N: 150mm R_D=6,55$</td> </tr> <tr> <td>$d_N: 80mm R_D=3,45$</td> <td>$d_N: 160mm R_D=6,95$</td> </tr> <tr> <td>$d_N: 90mm R_D=3,90$</td> <td></td> </tr> </table>	$d_N: 25mm R_D=1,05$	$d_N: 100mm R_D=4,35$	$d_N: 30mm R_D=1,30$	$d_N: 110mm R_D=4,80$	$d_N: 40mm R_D=1,70$	$d_N: 120mm R_D=5,20$	$d_N: 50mm R_D=2,15$	$d_N: 130mm R_D=5,65$	$d_N: 60mm R_D=2,60$	$d_N: 140mm R_D=6,10$	$d_N: 70mm R_D=3,05$	$d_N: 150mm R_D=6,55$	$d_N: 80mm R_D=3,45$	$d_N: 160mm R_D=6,95$	$d_N: 90mm R_D=3,90$	
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Thermal conductivity λ_D ($W/m \cdot K$)	0,023																	
Thickness d_N : 25-160	T2																	
Water vapour permeability	Water vapour transmission	NPD																
Compressive strength	$e \leq 45mm$	CS(10\Y)175																
	$e \geq 50mm$	CS(10\Y)200																
Tensile strength / flexion	Tensile strength perpendicular to faces	NPD																
Durability of reaction to fire against heat, weathering, ageing / degradation	Reaction to fire does not change with time																	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance and thermal conductivity	(a)																
	Durability of thermal resistance against ageing/degradation	(a)																
	Dimensional stability under specified temperature and humidity conditions	DS(70,90)3																
	Deformation under specified compressive load and temperature conditions	NPD																
	Methods for determination of the values of thermal resistance and thermal conductivity after ageing	(a)																
Durability of compressive strength against ageing/degradation	Compressive creep	NPD																

^(a) The declared value of thermal conductivity incorporates the effect of aging over time extrapolated to 25 years.

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) n° 305/211, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

 **Poliuretanos, s.a.**

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 17244 CASSÀ DE LA SELVA - Girona

F. Bolló
 General Manager

Cassà de la Selva, 14.09.2017