Poliuretanos

Declaration of Performance (DoP)

CPR-2013.06_7

1.	Name and unique identification code of the product-type:	**Panel PIR AK** Polyisocyanurate rigid foam (PIR) panels faced, both sides, with a kraft-aluminium paper complex.
2.	Intended uses of the construction product:	Thermal insulation for buildings (ThIB).
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 (Reaction to fire)** **AVCP 3 (Other properties)**
5.	Harmonised standard: Notified body/ies: Notified testing laboratory/ies:	**EN 13165:2012+A2 :2016** - **Centre Scientifique et Technique du Bâtiment (CSTB),** notified testing laboratory Nº 0679. **APPLUS LGAI Technological Center**, notified testing laboratory Nº 0370

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6. Declared performance

Essential characteristics	***Performance***		
Reaction to fire	F		
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·K/W)	d_N:25mm R_D=1,15 d_N:30mm R_D=1,35 d_N:40mm R_D=1,85 d_N:50mm R_D=2,30 d_N:55mm R_D=2,55 d_N:60mm R_D=2,75 d_N:70mm R_D=3,25 d_N:75mm R_D=3,45 d_N:80mm R_D=3,70 d_N:90mm R_D=4,15 d_N:97mm R_D=4,50 d_N:100mm R_D=4,65	d_N:102mm R_D=4,70 d_N:110mm R_D=5,10 d_N:113mm R_D=5,25 d_N:120mm R_D=5,55 d_N:130mm R_D=6,00 d_N:135mm R_D=6,25 d_N:140mm R_D=6,50 d_N:144mm R_D=6,65 d_N:147mm R_D=6,80 d_N:150mm R_D=6,95 d_N:160mm R_D=7,40
	Thermal conductivity λ_D (W/m·K)		0,022
	Thickness d_N: 25-160		T2
Water vapour permeability	Water vapour transmission		NPD
Compressive strength	e ≤ 45mm		CS(10\Y)175
	e ≥ 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) nº 305/211, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

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F. Bolló
General Manager

Cassà de la Selva, 14.09.2017