

Declaration of Performance

Poliuretanos PIR F VV

CPR.2013.32_2

Unique identification code of the product-type: **Poliuretanos PIR F VV**
 Intended use/es: **Thermal insulation for buildings**
 Manufacturer: **Kingspan Insulation S.A., C-65 km16 Z.I. El Trust, 17244 Cassà de la Selva, Girona, SPAIN**
 System/s of AVCP: **System 4 (Reaction to fire), System 3 (Other properties)**
 Harmonised technical specification: **UNE-EN 13165:2012+A2:2016**
 Notified body/ies: **Centre Scientifique et Technique du Bâtiment (CSTB) NB. 0679, APPLUS LGAI Technological Center NB. 0370**

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	d_N 30mm	1.05
		d_N 40mm	1.40
		d_N 50mm	1.75
		d_N 60mm	2.10
d_N 70mm		2.50	
d_N 80mm		2.95	
d_N 90mm		3.30	
d_N 100mm		3.70	
d_N 110mm		4.05	
d_N 120mm		4.60	
	Thermal conductivity λ_D (W/(m.K))	d_N 25-79mm	0.028
		d_N 80-119mm	0.027
		d_N 120mm	0.026
	Thickness tolerance	d_N 30-120mm	T2
Reaction to fire		F	
Reaction to fire – end use	Thermal insulation deck type metal roofing	B-s2,d0 (standard assembly n°3)	
Durability of reaction to fire against heat, weathering, ageing / degradation		Reaction to fire does not change with time	
Dimensional stability under specified temperature and humidity condition		DS(70,90)4 NPD	
Deformation under specified compressive load and temperature conditions		NPD	
Compressive strength	Compressive stress or compressive strength	d_N 30-45mm	CS(10\Y)175
		d_N 50-120mm	CS(10\Y)200
Tensile / Flexural strength	Tensile strength perpendicular to faces	NPD	
Durability of compressive strength against ageing / degradation	Compressive creep	NPD	
Water permeability	Short term water absorption	NPD	
	Long term water absorption	WL(T)2	
	Flatness after one sided wetting	NPD	
Water vapour permeability	Water vapour transmission	NPD	
Acoustic absorption index	Sound absorption	NPD	
Release of dangerous substances to the indoor environment		No harmonized test method available	
Continuous glowing combustion		No harmonized test method available	
NPD: No Performance Determined			

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Francesc Bolló
 Managing Director Spain 27/08/2018
 Cassà de la Selva, Girona, SPAIN

