

# swissporPIR KAL

Description	PIR insulation panel
Surface	Aluminium kraft foil on both sides
Application Method	Glued or mechanically fixed / loose lay
Product norm	EN 13165:2012 + A2:2016

Born in the  Alps



## Technical Data

Specifications	Test method	Unit	Requirement
Length	EN 822	[mm]	1200
Width	EN 822	[mm]	600
Apparent density <sup>1)</sup>	EN 1602	[kg/m <sup>3</sup> ]	~ 33
Thickness	EN 823	[mm]	20 - 300
Thermal conductivity $\lambda_0$	EN 12667	[W/(m·K)]	0.022
Thermal capacity (c)		[Wh/(kg·K)]	0.39
Resistance to vapour diffusion ( $\mu$ )	EN 12086		~ waterproof
Compressive strength ( $\sigma_{10}$ )	EN 826	[kPa]	≥ 150
Tensile strength	EN1607	[kPa]	≥ 80
Short-term water absorption	EN 1609	[kg/m <sup>2</sup> ]	≤ 0.2
Long-term water absorption	EN 12087	%	≤ 1
Reaction to fire	EN 13501-1		F
Packaging system			Stretch film (PE)

<sup>1)</sup> Apparent density does not represent an essential characteristic according to the norm EN 13165

### Packaging

Thickness [mm]	20	30	40	50	60	70	80	100	120	140	160	180	200	220	240	260	280	300
m <sup>2</sup> /pack	14.4	11.52	8.64	7.20	5.76	4.32	4.32	3.60	2.88	2.16	2.16	2.16	1.44	1.44	1.44	1.44	0.72	0.72

**Safety:** Material Safety Data Sheets are available upon request at the under mentioned mail address of the Team Export.

**Storage:** The material has to be stored in a dry covered place and it is advisable not to exceed 12 months of storage. Protect the product from extremely low or extremely high temperatures. During storage avoid exposure to direct sunlight.

**Application:** For a correct use of the products, refer to the specific technical documents issued by swisspor Romandie SA anyway the customer is responsible for ensuring that each product is suitable for its intended purpose and that the condition of use are suitable. If any law, norm or regulation different from what declared by the manufacturer is in force in the Country where the product must be installed, this must be considered as compulsory by the applicator and it is his own responsibility to follow the suitable legislative references.

**Disclaimer:** swisspor Romandie SA pursues a policy of constant product development and information contained in this document that is therefore subject to change without notice.

**swisspor Romandie SA**  
 Ch. du Bugnon 100 – CP 60  
 1618 Châtel-Saint-Denis  
 Tel. +41 21 948 48 48  
 Fax: +41 21 948 48 49  
 export@swisspor.com  
 www.swisspor.ch



## swissporPIR KAL

High performance insulation panel made of polyisocyanurate (PIR) with low Global Warming Potential (GWP).

Versatile, swissporPIR KAL can be applied on pitched or flat roofs, as sub-screed or sub-slab insulation, on floors and pre-manufactured elements.

Both sides are covered with an **aluminium kraft foil resistant to vapour diffusion.**

Made without halogen, its use **protects the environment and human health.**

### Structure

PIR insulation panel, aluminium kraft foil on both sides.

Available from 40 mm:

- Bettered
- Tongues and grooves

