

Panel PIR-ALU 35



DESCRIPTION

- Polyisocyanurate (PIR) rigid foam panel, coated with embossed aluminium foil on both sides.

APPLICATIONS

- Suitable for the construction of ducts systems for the air distribution, ventilation, heating and air-conditioning systems (HVAC).

ADVANTAGES

- Practically no water absorption due to the closed cell structure of polymer and to the aluminium foil.
- Due to the thickness of the aluminium foil (>50 µm) the product can be considered as a vapor barrier.
- Light panels with great rigidity.
- Easy to handle, to cut and to assemble.

PRESENTATION

- Boards of 3000x1200x20mm in packs of 12 units.
- Boards of 3000x1200x30mm in packs of 10 units.

PROPERTIES

	ESSAY	UNITS	VALUE	
Density	UNE-EN 1602	kg/m ³	35 (min. 33)	
Thermal conductivity coefficient, λ_i , 7d 10°C	UNE-EN 12667	W/m K	0,0215	
Declared thermal conductivity coefficient, λ_D 10°C	UNE-EN 12667	W/m K	0,023	
Reaction to fire of the product	UNE-EN 13501-1	-	B-s2, d0	
Smoke opacity	NF F16-101	-	F1	
Reaction to fire of the product in end-use (with aluminum profiles)	UNE-EN 15715 UNE-EN 13501-1	-	B-s1, d0	
Dimensional stability 48h, 70°C, 90 %HR	UNE-EN 1604	%	DS(TH)3	Δ long, Δ anch. ≤ 2 Δ esp. ≤ 6
Dimensional stability 48h, -20°C				Δ long, Δ anch. $\leq 0,5$ Δ esp. ≤ 2
Water absorption	UNE-EN 12087	%	WL(T)1	≤ 1
Rigidity	UNE-EN 13403	Nmm ²	200.000 (R4) 300.000 (R5)	
Aluminium foil thickness	-	µm	60	