



PIR foam
Insulation support
under waterproofing
membrane
for steel deck substrate

efigreen acier

The + Efigreen Acier

PIR foam coated with 2 sides of 50 microns embossed Aluminium

Highly insulating panel: $\lambda_D = 0.024 \text{ W/(m.K)}$.

High mechanical resistance:

$R_c \geq 150 \text{ kPa}$.

Compressive strength class C (UEAtc Guideline).

Lightweight: density around 34 kg/m^3 .

Resistance to fire:

EN 13501-1 (Euroclass), EN 13501-5 (Roof T3) test report from notified body
D-s₂, d0 from 30 to 50 mm thick. C-s₂, d0 from 60 to 100 mm thick.
B-s₂, d0 from 30 to 200 mm thick in final conditions of use.

- ▶ To an equivalent thermal resistance. **30% thick saving***
- ▶ To an equivalent thickness. **30% energy saving***
- ▶ **Limit compression risks** and deterioration of the insulation and the waterproofing.
- ▶ HCFC & HFC-free, contains no fibers.
- ▶ Lightweight, quick and easy to install, limiting overloadings. Reducing the cost of building structures. **For 1000 m² installed: Efigreen Acier 60 mm weights only 1.8 T**

* Compared to traditional insulation panels

reliable, light & effective

TECHNICAL DATA

Insulation

Proprieties	Value	Unit	Standard
Thermal conductivity λ_D	0.024	W/(m.K)	ACERMI

Dimensions

Lght. (mm)	Wdth. (mm)	Thickness (mm)							
GF 2500 ± 5(1)	GF 1200 ± 3	30	40	50	60	70	80	90	100

Foam colour: cream (colour not contractually binding).

Packaging: upright on pallet with plastic wrapping.

Storage: protected from rain and sun.

SPÉCIFICATIONS

Characteristics	Spécifications	Units	Standards
Density	34 ± 4	kg/m ³	EN 1602
Lenght (1)	GF 2500 ± 5	mm	EN 822
Width (1)	GF 2500 ± 3	mm	EN 822
Thickness	From 30 to 100 ± 2	mm	EN 823
Compressive stress at 10% of deformation	≥ 150	kPa	EN 826
Compressive Class (40 kPa to 80°C)	C		UEAtc
Resistance to fire	C - s ₂ , d0 (for thick = 60 to 100 mm)	Test report LNE: N° G11368 - CEMATE/9	
	D - s ₂ , d0 (for thick = 30 to 50 mm)	Test report LNE: N° F012226 - CEMATE/7	

(1) Format MF 1200 x 1000 mm possible under certain conditions, contact our sales delegation.



THERMAL PERFORMANCES

Thermal resistance - Validation to Laid in one or two layers.

Thickness PU (mm)	30	40	50	60	70	80	90	100
R ₀ (m ² .K/W)	1.25	1.65	2.05	2.50	2.90	3.30	3.75	4.15

INTENDED USE

Type of buildings	Thermal screen + Efigreen Acier*	Efigreen Acier
Individual House	Yes	No
Non-habitable room of a individual house (garage)	No	Yes
Buildings open to the public	Shops	No
	Schools	No
	Public building	No
Buildings under the Labour Code	With part accessible to the public	No
	Height of the last floor: high ≥ 8 m	No
	Height of the last floor: high ≤ 8 m	Yes
Buildings submitted to authorizations or statements	Refer to the receipt of the statement or to the control office in charge of authorizations.	

*Various possibilities: 1) Mineral wool: 2 x 40 mm straight edges crossed layers + Efigreen Acier. 2) Panels of perlite such as straight edge Fesco® C 50 mm thick + Efigreen Acier. 3) Suspended ceiling comprised of wood panels on the underside of the steel deck (see CT for thickness). 5) Suspended ceiling comprised of plates BA 18 on the underside of the steel deck.



Looking for a sales contact in order to discuss a future project, or a project that is under way?

Contact SOPREMA Export Department

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