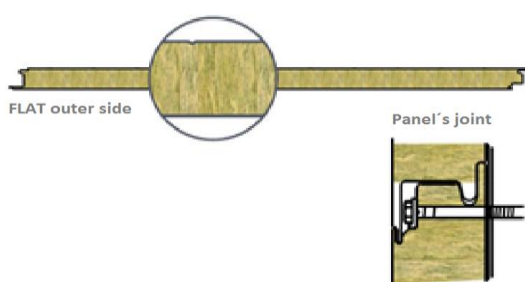


ACH-FLAT - FLAT FAÇADE PANEL

Mineral Wool Insulation Core type M-2XRAS

Profile and Joint



Description

The **ACH-FLAT** façade panels are composed of two galvanized and lacquered high-thickness steel sheets, bonded with organic adhesive to a **special hi-tech mineral wool core**, ensuring the flatness of the panel.

The galvanized and pre-painted steel sheets, according to the UNE EN 10346, with grades of S250GD and Z225 steel, offer high corrosion resistance. In addition, a variety of coatings can be applied depending on the use of the panel: polyester, HDX55, HPS200 ULTRA, PVDF, etc. The design features of ACH panels guarantee high thermal efficiency and provide a significant reduction in energy consumption during the life cycle of buildings.

Applications

ACH panels are designed for the construction of enclosures and facades of large industrial or building surfaces.

Advantages

Being a prefabricated panel, ACH panels have the advantage of ease and speed in assembly, homogeneity and quality of finishes, as well as certifications.

The **ACH-FLAT** panel is specially manufactured to have a flat and smooth aesthetics and not to produce any undulation on the sheets, as usually happens with other conventional foam panels available on the market.



Dimensions, weight and thermal characteristics

Thickness (mm)	Width (mm)	Maximum suggested length (m)	Core type M	Weight* (kg/m ²)	Thermal transmission Coefficient (W/m ² k)
50	1000-1150	8.50	2XRAS	17.15	0.784
60	1000-1150	8.50	2XRAS	18.35	0.636
80	1000-1150	10.00	2XRAS	20.75	0.489
100	1000-1150	11.00	2XRAS	23.15	0.391
120	1000-1150	12.00	2XRAS	25.55	0.324
150	1000-1150	12.00	2XRAS	29.15	0.260
200	1000-1150	12.00	2XRAS	36.15	0.195

*Estimated weight.

Acoustic performance

RW (dB)	RA (dBA)
≥33	≥32,5

* Consult the manufacturer certifications.

Fire Reaction

A2,s1-d0 classification, according to norm EN-13501-1.

Fire Resistance

Thickness (mm)	50	60	80	100	120	150	200
Classification	EI30	EI30	EI60	EI120	EI120	EI120	EI120

*According to norm EN-13501-2.

Temperature of use and behaviour to water

- Use with a temperature range of between **-5°C** and **+180°C**.
- Non hydrophilic.

Mechanical flexural properties

Double Span Load Table (m)

Thickness (mm)	Load (kg/m ²)						
	30	60	80	100	120	150	200
50	7.70	5.30	3.90	3.01	2.52	2.00	1.50
60	8.15	6.10	4.20	3.50	3.02	2.40	1.90
80	9.22	6.26	5.15	4.47	4.07	3.24	2.50
100	11.00	7.50	6.10	5.45	5.00	4.12	3.25
120	12.00	8.30	7.05	6.35	5.89	4.80	3.75
150	13.00	9.52	8.30	7.50	6.75	5.50	4.50
200	14.00	10.80	8.50	7.50	6.84	6.09	5.50

*Bending L/180. Safety coefficient: 2,0.

Product certifications

CE Marking according to norm EN 14509.

Saint-Gobain

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Customer Service

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Social Networks



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