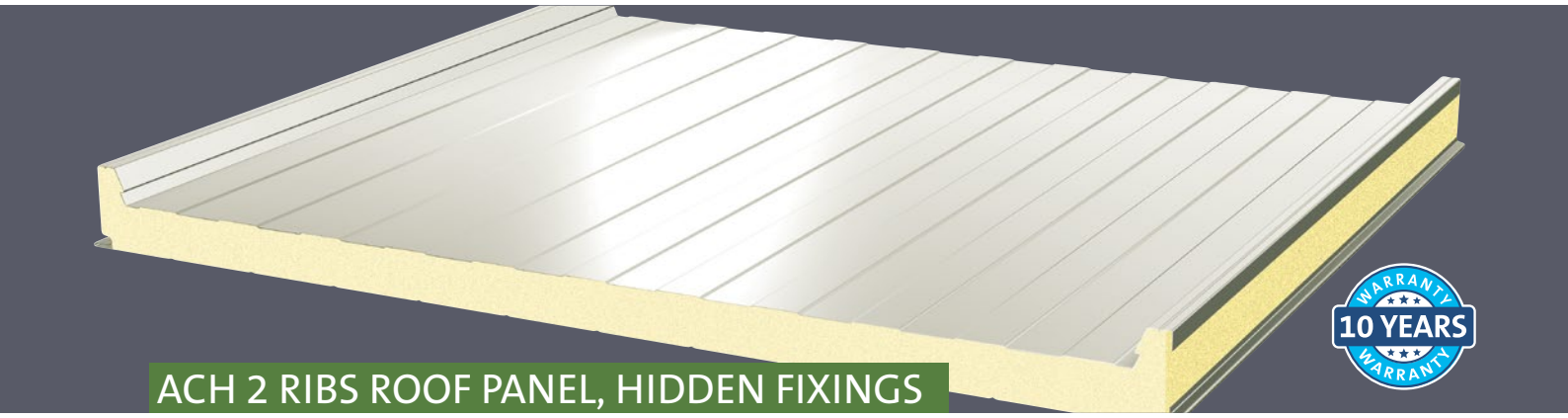
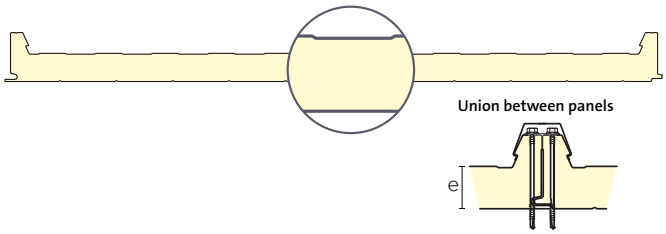


ACH 2 RIBS ROOF PANEL, HIDDEN FIXINGS

ACH PIR B-s1,d0 insulated panel

Profile and joint



Description

ACH panels are formed by two steel sheets and a rigid polyisocyanurate (PIR) foam core.

The steel sheets are according to the EN10346 norm and its thickness can range between 0.4 and 0.8 mm, being ACH standard thickness **0.5 mm**. There are several coatings available for each panel use: SP25, PVDF25, PVDF35, HDS35, HDX55, PRISMA55, HPS200, etc., all according to the EN 10169 standard. The standard ACH coating is epoxy polyester. ACH also supplies other materials, on request: aluminium, stainless steel, etc.

The rigid foam core complies with the EN 13165 standard.

Uses

ACH panels are specially designed for the construction of the envelope of industrial or commercial buildings and warehouses. They can either be used for roofing, cladding and indoor wall partitioning of the following types of buildings:

- Heated premises.
- Food and pharmaceutical industry.
- Manufacturing premises.
- Premises where fire behaviour is an important requirement.
- Cold rooms.
- Buildings where the activity is being modified or to let.

ACH panels standard colours

Outer side						Inner side
White Pyrenees 1006	Green Navarra 3000	Bidasoa Cream 2002	Red Roof Tile 7001	Pearl Grey 5001	Silver Metallic RAL9006	White Pyrenees 1006

Advantages

Being a prefabricated metallic insulated panel, ACH benefits are assembly ease and speed, design and look homogeneity and finish high quality, having the highest certifications.

Dimension, weight and thermal properties

Thickness mm	Width mm	Height mm	Maximum recommended length (m)	Weight kg/m²	Thermal transmission coefficient W/m²K
30	1,000	38	14	9.89	0.67
40	1,000	38	14	10.20	0.52
50	1,000	38	14	10.58	0.42
60	1,000	38	14	10.95	0.35
80	1,000	38	14	11.77	0.27
100	1,000	38	14	12.50	0.22

Panel´s weight variation, increasing or decreasing the thickness of the sheet: 0.85 kg / 0.1 mm.

Fire Reaction

B-s1- d0 classification, according to EN-13501-1 standard.

Limit temperature of use and behaviour to water

- Applications from **-50°C** to **+90°C.**
- Not hydrophilic.

Mechanical bending properties

Overload table of bi-supported panel.

Overload (kg/m²)		Span (m)				
		1.50	1.75	2.00	2.25	2.50
Thickness (mm)	30	190	152	125	104	88
	40	270	217	180	152	129
	50	328	283	237	202	172
	60	-	351	284	252	217
	80	-	-	402	353	308

Overload (kg/m²)	Span (m)				
	3.50	4.00	4.50	5.00	5.50
Thickness 100 mm	280	255	182	136	105

Arrow L/200.

Product certifications

CE marked according to EN 14509 standard.

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