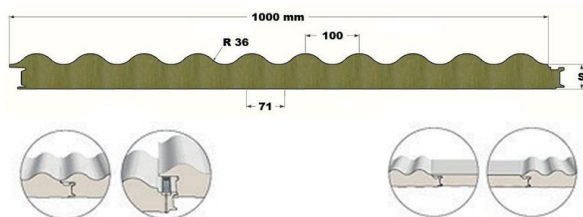


## ACH SINUSOIDAL FAÇADE PANEL

Mineral Wool Insulation Core

### Profile and Joint



### Description

**ACH SINUSOIDAL FAÇADE panels** are formed by two steel sheets and mineral wool core, with a hidden fastening system. It can be installed vertically and horizontally. Hot dipped galvanized steel Sendzimir System (EN 10147), 25µm polyester coating, with a minimum outer steel thickness of 0.5mm and a minimum inner sheet thickness of 0.4mm. Upon request, other coatings are also available: PVDF, Plastisol, PVC, Aluminium, Copper, HDX 55µm.

### Applications

ACH Panels are designed for the construction of the envelope of industrial, commercial or civil building. It can be used interchangeably for the construction of façades of the following types of buildings:

- Heated premises.
- Indoor acoustic partitions in industrial facilities.
- Manufacturing premises.
- Premises where fire protection is an important requirement.
- Fireproof enclosures: CPD's, garages, hazardous substances stores, etc.
- Buildings where the activity can change or for rent.

### 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 SINUSOIDAL FAÇADE panel offers great aesthetic value to the building and it can be installed vertically or horizontally.

### Standard colours

Pure White RAL 9010	Brown Red RAL 3011	Silver metallic RAL 9006	Moss Green RAL 6005	Light Ivory RAL 1015	Flame Red RAL 3000
Grey aluminium RAL 9007	Gentian blue RAL 5010	Copper Brown RAL 8004	Umbra Grey RAL 7022	Zinc Yellow RAL 1018	

### Dimensions, weight and thermal characteristics

Thickness (mm)	Width (mm)	Length (m)		Weight (kg/m <sup>2</sup> )	Thermal transmission Coefficient (W/m <sup>2</sup> k)
		minimum	maximum		
50	1000	2	15	11,15	0,640
80	1000	2	15	18,15	0,400
100	1000	2	15	20,15	0,340
120	1000	2	15	22,15	0,290

\* Minimum and maximum length of the panels of 2.00m and 15.00 m respectively. Density of rock wool of 100 kg/m<sup>3</sup> (± 10%) and thermal conductivity λ=0,032 W/mk

### Fire reaction

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

### Fire resistance

Thickness (mm)	50	80	100	120
Classification	EI30	N/A	EI120	EI120

Classification according UNE-EN 14509; N/A: property not available

### Temperature of use and behaviour to water

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

### Mechanical flexural properties

Thickness mm	Double Span kg/m <sup>2</sup>					Triple Span kg/m <sup>2</sup>						
	2,00	2,50	3,00	3,50	4,00	5,00	2,00	2,50	3,00	3,50	4,00	5,00
50	123	96	78	65	-	-	136	106	86	72	61	-
80	203	159	130	109	93	-	223	175	143	120	103	79
100	256	201	164	138	118	91	281	221	181	152	131	101
120	309	243	199	268	144	111	339	267	219	185	159	123

\*The values of the tables are for bending f<sub>s1</sub>/200 and span l(m), and refer to panels with outro and inner steel sheets of 0.5mm thick.

### Product certifications

**CE Marking** according to norm EN 14509.

### Saint-Gobain

Materials and solutions for the well-being of each and the future of all.

### Customer Service

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### Social Networks



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