



## ACH 5 RIB ROOF PANEL (P5G)

Acoustic, 120mm thick **Stone Wool** High density core (Type L)

### Profile and side joint P5G



### Description

ACH P5G Roof Panel is manufactured with two pre painted steel sheets, bonded with organic glued to the mineral core. The inner metallic side is micro perforated, with 3mm diameter holes.

Between the inner side and the core, a fibreglass veil is applied.

For an improved acoustic absorption performance, these panels can be manufactured, under request, with inner side perforated with 5mm diameter holes.

The steel sheets thickness (EN 10346) can range from 0.5mm to 1.0mm, being **0.5mm** the standard ACH thickness. Different coatings are available, according to the panel's use: SP25, PVDF25, PVDF35, HDS35, HDX55, PRISMA55, HPS200, etc, under the norm EN 10169. ACH standard coating is 25 µm polyester, **SP25**. Other materials are available, under request: Aluminium, Stainless Steel, etc. The Mineral core is produced according to EN13162 standard.

### Applications

ACH 5 RIBS ROOF PANEL is specially designed for the industrial and large commercial building's roofing.

ACH P5G can also be used for the **roofing construction** of:

- Heated buildings.
- Indoors acoustic shielding, for industrial buildings;
- Production units;
- Buildings where fire resistance is an imperative requirement;
- Fireproof enclosures;
- DCP (Data Center Protection), parking buildings, hazardous substances warehouses, etc;
- Multi-use buildings or buildings to be rent.

### Advantages

ACH prefabricated panels advantages are: easy and fast installation, lighter structure, high finish quality, fire protection, acoustic and thermal insulation, time and cost saving, with the best quality certification.

### Performance

Core's Thickness: mm	Panel's Width: mm	Maximum recommended Length: m	Core's Type	Panel's Weight: kg/m <sup>2</sup>	Thermal Transm. W/m <sup>2</sup> K
120	1.000	10,00	L	19,2	0,300

### Acoustics\*

R <sub>w</sub> (dB)	R <sub>A</sub> (dB)	α <sub>w</sub>
≥35,0	≥34,7	0,85

\*Consult certificates.

### Fire Reaction classification

**A2-s1, d0** according EN-13501-1.

### Fire Resistance

**EI30** according EN-13501-2.

### Range of application and behavior in the presence of water

- Temperature between **-5°C** and **+180°C** (check available coatings)
- Not hydrophilic.

### Span Table

Single span condition.

Load kg/m <sup>2</sup>	80	100	120	150	200
Max. span (m)	5,28	4,35	3,62	2,90	2,18

Deflection limit L/200. Security coefficient: 2,5.

### Quality

Certificate of Conformity 2.1, according to the European Norm EN 10204.

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### Customer Service

+34 636 125 807

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### Contact us

C/ Los Corrales. Parcelas C5 y C6  
 Polígono Industrial "La Ballestera"  
 19208 - Alóvera (Guadalajara) – SPAIN  
 Phone number: +34 949 20 98 93 / Fax: +34 949 20 98 95  
 www.panelesach.com / email: info@panelesach.com