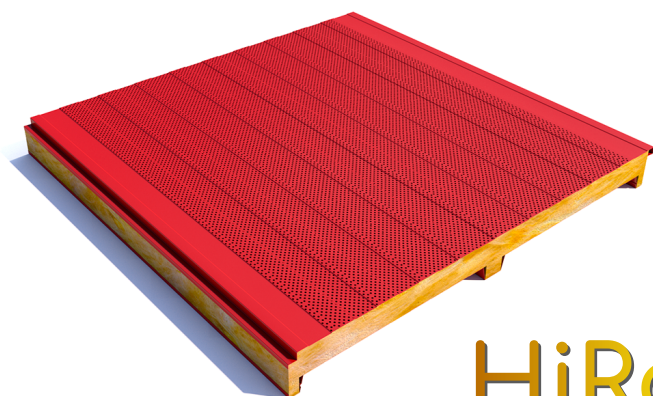


ROOF PANEL - HiRock - ACOUSTIC

ROOF PANEL HIDDEN FIXING



EXTERIOR FACE
Pre-painted steel

INSULATION
Rock Wool
100 - 125 kg/m³



INTERIOR FACE
Pre-painted steel

THICKNESSES mm (in.)
40/50/60/80/100
(1.57/1.97/2.36/3.15/3.94)



USEFUL WIDTH:
1000 mm (39.37 in.)

USE
Roofs

HiRock
By  **Hiansa Panel**



TECHNICAL SPECIFICATIONS

Fire: A2-s1,d0 || Water: Non-hydrophilic || Acoustic: depending on its thickness | Neither causes nor favors the corrosion of materials. It does not promote bacterial development.

Panel with three ribs and flashing that offers the features of the traditional panel (with polyurethane insulation): watertightness, thermal insulation, ease of assembly and also the advantages of a flame-retardant rock wool insulation.

Possibility of pre-fabricated transverse overlap with a maximum length of 300 mm.

ROCK WOOL ROOF PANELS - HiRock - Acoustic - 125 kg/m³

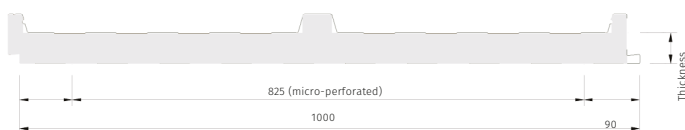
Thickness	mm [in.]		40 (1.57)	50 (1.97)	60 (2.36)	80 (3.15)	100 (3.94)
Weight ⁽¹⁾	[kg/m ²]		10.90	11.90	12.90	14.89	16.88
Heat transfer ⁽¹⁾	[W/m ² ·K]	Roof	0.814	0.661	0.555	0.422	0.340
		Façade	0.795	0.649	0.547	0.417	0.337
Fire resistance ⁽²⁾	UNE-EN 13.501-1		A2-s1,d0				
Exterior Fire reaction	UNE-EN 13.501-5		B _{roof} (t1)				
Acoustic absorption	[aw]		0.95				
Acoustic Insulation (Rw) ⁽³⁾	[dB]		-	34 dB	34 dB	34 dB	34 dB

⁽¹⁾ Values for nominal sheet thicknesses 0.5 mm - 0.5 mm and panel width of 1 m.

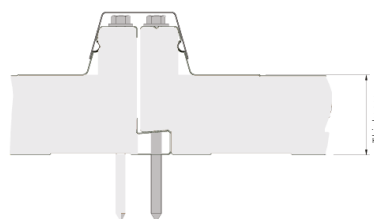
⁽²⁾ See available certificates.

⁽³⁾ Query for C (pink noise) and C_{tr} (Traffic Noise) values

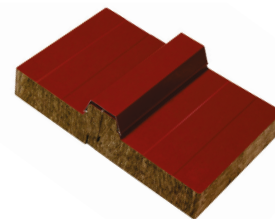
GEOMETRIC SPECIFICATIONS AND FINISHES



Micro-profile finish on both sides



Detail of fixing system



STANDARDS APPLIED

Ref. Standard	Description
EN 14509-2014	Metal double-sided insulated self-supporting sandwich panel. Products made at the factory. Specifications.
EN 13162	Thermal insulation products for building applications. Manufactured products of mineral wool (MW). Specifications.
EN 10169	Flat steel products, continuous coated with organic materials (pre-painted). Technical supply conditions.
EN 13501	Classification based on the fire performance of construction products and building elements. Part 1.

RESISTANCE TABLES

OVERLOADS [Kg/m²] ROOF - HiRock (Acoustic) - 125 kg/m³

		SPAN [m]					
Panel [mm]		1.5	2	2.5	3	3.5	4
1 opening	40	156	118	-	-	-	-
	50	169	129	88	-	-	-
	60	190	146	100	-	-	-
	80	200	172	137	114	94	-
	100	241	206	160	146	125	98
2 openings	40	162	122	-	-	-	-
	50	175	134	91	-	-	-
	60	196	151	103	-	-	-
	80	207	178	142	118	97	-
	100	249	214	166	151	129	101
3 openings	40	172	130	-	-	-	-
	50	186	142	97	-	-	-
	60	208	161	109	-	-	-
	80	220	189	151	125	103	-
	100	265	227	176	161	138	108

Calculations performed for Steel S220GD; L/200; nominal sheet thicknesses 0.5-0.5

COLORS

Standard colors (***):

Pearl Gray
5001



Silver Metallic
9006



Pyrenees White
1006



Bidasoa Cream
2002



Navarra Green
3000



Teja Red
7001



(***) other colors on request

HIANSIA PANEL S.A. reserves the right at all times to make changes to this document without prior notice.