

ROOF PANEL - HiRock

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 - 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]		11.86	12.86	13.86	15.86	17.84
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 reaction ⁽²⁾	UNE-EN 13.501-1		A2-s1,d0				
Fire resistance ⁽²⁾	UNE-EN 13.501-2		-	-	-	REI 45	REI 120
Exterior Fire reaction	UNE-EN 13.501-5		B _{roof} (t1)				

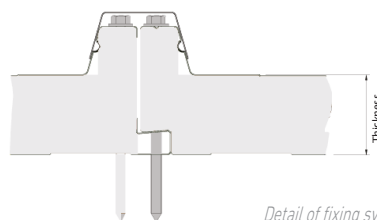
⁽¹⁾ Values for nominal sheet thicknesses 0.5 mm - 0.5 mm and panel width of 1 m.

⁽²⁾ See available certificates.

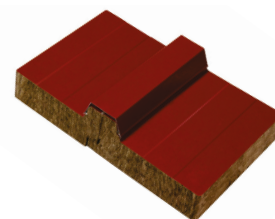
GEOMETRIC SPECIFICATIONS AND FINISHES



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] HiRock ROOF - 125 kg/m³							
SPAN [m]							
Panel [mm]		1.5	2	2.5	3	3.5	4
1 opening	40	208	158	-	-	-	-
	50	225	172	117	-	-	-
	60	253	195	133	-	-	-
	80	267	229	183	152	125	-
	100	321	275	213	195	167	131
2 openings	40	216	163	-	-	-	-
	50	233	178	121	-	-	-
	60	262	202	137	-	-	-
	80	276	237	189	157	130	-
	100	333	285	221	201	173	135
3 openings	40	229	173	-	-	-	-
	50	248	189	129	-	-	-
	60	278	214	146	-	-	-
	80	293	252	201	167	138	-
	100	353	303	235	214	183	144
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.