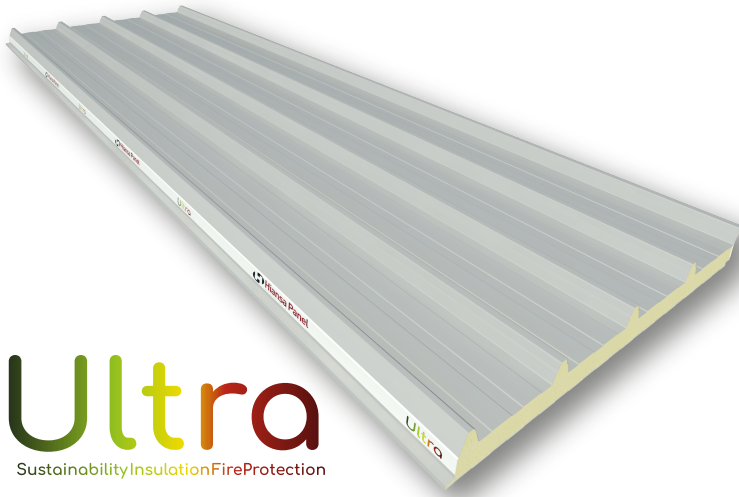


EASY CUB 5GR PANEL - ULTRA
ROOF PANEL WITHOUT FLASHING


EXTERIOR FACE
Pre-painted steel
0.5 mm (0.02 in.)

INSULATION
High-performance
polyurethane

INTERIOR FACE
Pre-painted steel
0.5 mm (0.02 in.)

THICKNESSES mm (in.)

50
(1.97)

USEFUL WIDTH
1000 mm (39.37 in.)

USE
Sloping roof surfaces

Ultra
Sustainability Insulation Fire Protection



Panel designed for sloping roofs with a minimum incline of 7%. Screw-fastened system with visible fastening, which is carried out in the overlap of two adjacent panels by means of a self-drilling screw that is completed with a bridge (or "capelotí") located in the upper part of the rib made of steel with EPDM. The design of this piece guarantees absolute watertightness of the building's roof.

MAIN CHARACTERISTICS OF THE ULTRA - 50 mm PANEL

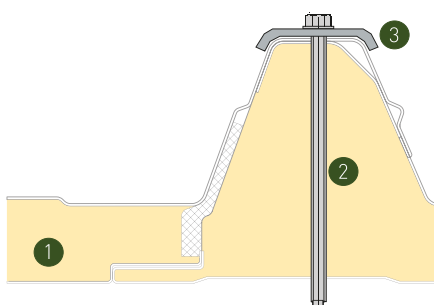
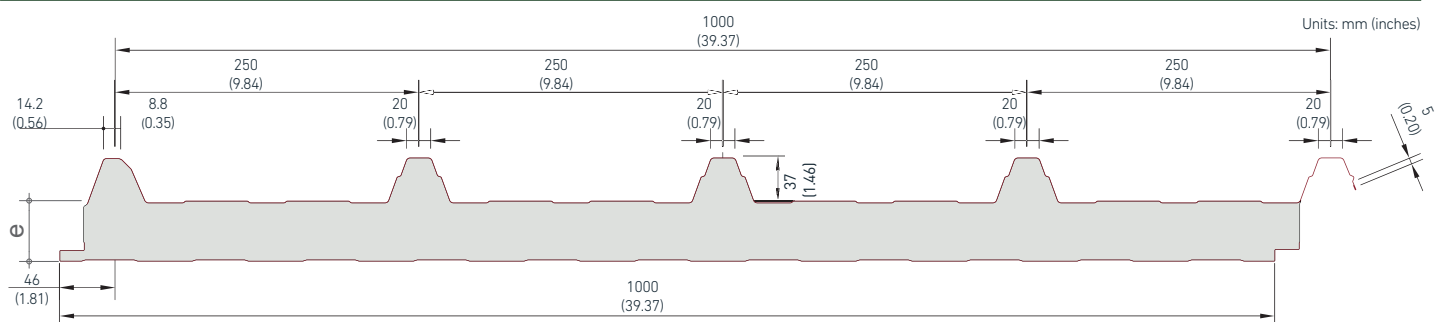
Nominal thickness	50 mm (1.97 in.) [± 3 mm/0.12 in.]
Average foam density	40 kg/m ³ [± 2 kg/m ³]
Weight	11.40 kg/m ²
Volume	15.40m ² /m ³
Useful width	1000 mm (39.37 in.) [± 3 mm/0.12 in.]
Straightness	0 mm [± 5 mm/0.20 in.]
Contraction - Inflection lengthwise	0 mm [± 5 mm/0.20 in.]
Compressive strength	0.076 MPa
Tensile strength	0.0-2 MPa
Fire resistance - UNE 13501-1	B-s1-d0
Behavior against fire on the exterior	Broof [t1]
Fire resistance	N.A.

The new high-performance polyurethane-based insulation core offers better performance, improving heat transfer coefficients, fire performance as well as using a more sustainable and environmentally-friendly technology for its manufacture.

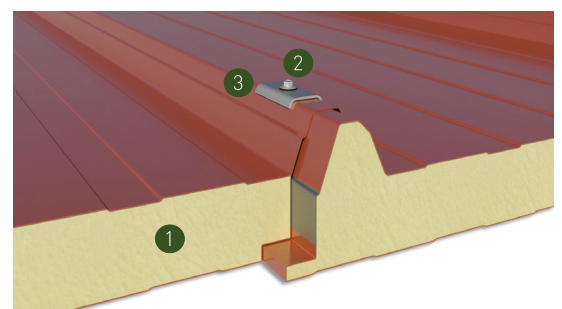
THERMAL INSULATION

RIBBED PANEL	HEAT TRANSFER		WEIGHT [0.5/0.5]
Nominal thickness in mm (in.)	K in Kcal/m ² .h. °C	K in W/m ² .k	Kg/m ²
50 (1.97)	0.3%	0.3*	11.40

The weight includes the proportionality of the accessory elements.

GEOMETRIC SPECIFICATIONS


- ① HIANSA ROOF PANEL
- ② HIANSA PANEL FIXING SCREW
- ③ HIANSA "CAPELOTI" PANEL



STANDARDS APPLIED

Ref. Standard	Description
EN 14509-2014	Metal double-sided insulated self-supporting sandwich panel. Products made at the factory. Specifications.
EN 13823	Reaction to fire tests of construction products. Construction products, excluding floor coverings exposed to thermal attack caused by a single burning object.
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.

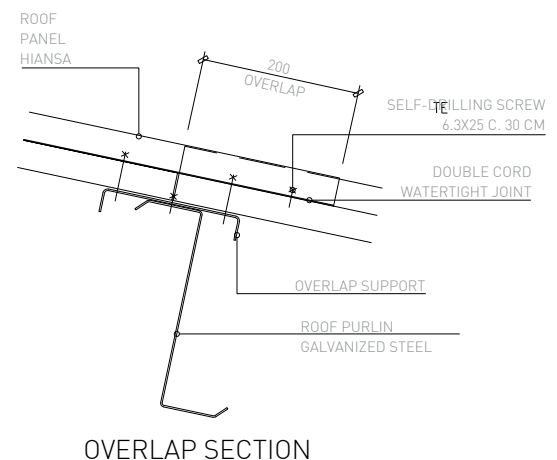
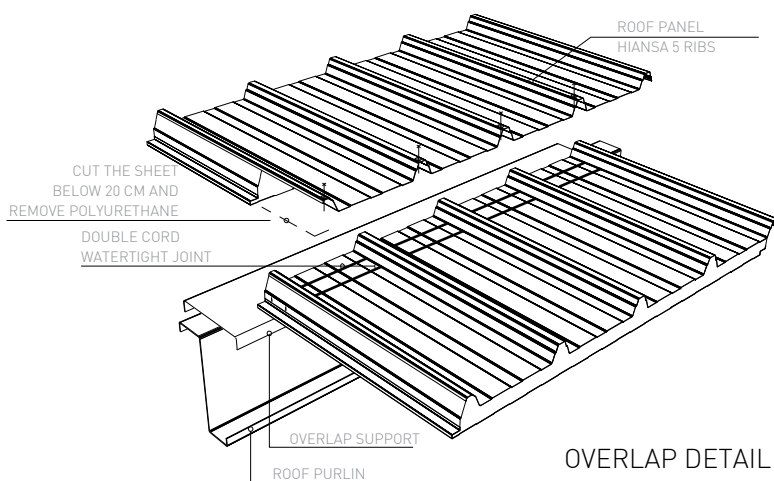
CONSTRUCTION DETAILS TRANSVERSE OVERLAP 3GR/5GR ST

CONDITIONS OF THE ROOF FOR MAKING THE OVERLAP

- The roof must have a slope greater than 10%.
- The purlin on which the transverse overlap of panels will be carried out shall have a minimum width of 100 mm.
- The minimum length of the overlap will be 200 mm.

Transverse overlap between roof panels without flashing (designed for waters of considerable length, where the maximum panel size is insufficient).

The roof insulation panels are created with an efficient overlap system (length 200 mm) from the same manufacturing line on request. The overlap between two consecutive panels thus becomes a safe and simple operation since the product undergoes quality control in the same factory.



HIANSA 5 GR ST. PANEL DETAIL VALID FOR ANY TYPE OF HIANSA ROOF PANEL.

RESISTANCE TABLES

PANEL 5GR ST - 50/0.5-0.5 (kg/m ²)																	
2 OPENINGS																	
Span (m)	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0
Pressure	362	281	228	190	163	142	126	113	101	94	87	78	72	67	63	59	55
Suction	382	301	248	211	183	162	145	132	121	112	104	97	92	87	82	78	75

Permissible service loads, uniformly distributed in kg/m². The tables have been obtained based on the experimental results determined in the laboratory and the established calculation methodology, in accordance with the provisions of the UNE-EN 14509 standard. These results comply with the Ultimate Limit States prescribed in said standards and with a limitation of the Serviceability Limit State for deformations of L/200.