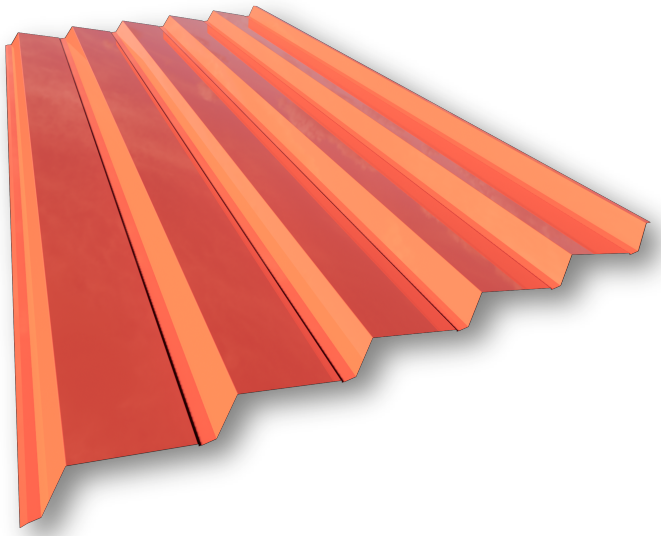
MT-44 IBIZA

PROFILED SHEET



RAW MATERIAL
Steel

THICKNESSES mm (in.)
Up to 1.2
(0.05)

FINISH
Pre-painted/Galvanized

USEFUL WIDTH
1010 mm (39.76 in.)

	THICKNESS mm (in.)						
	0.50 (0.019)	0.60 (0.023)	0.70 (0.027)	0.80 (0.031)	0.90 (0.035)	1.00 (0.039)	1.20 (0.047)
P (kp/m²)	4.91	5.89	6.87	7.85	8.83	9.81	11.78
I (cm⁴/m)	10.379	12.455	14.195	16.315	18.215	20.595	24.975
W1 (cm³/m)	5.244	6.293	7.121	8.193	9.164	10.336	12.478
W2 (cm³/m)	4.339	5.207	5.887	6.781	7.519	8.567	10.356

P=profile weight per square meter I=profile inertia per linear meter W=resistant module profile per linear meter

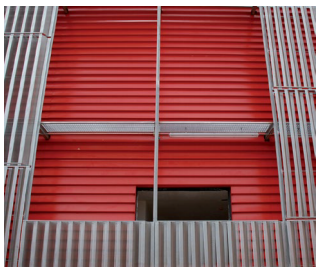
DRILLABLE

ISO 9001 BUREAU VERITAS Certification

CE

DESCRIPTION AND APPLICATION

The Ibiza profile for architectural façades is an obvious example of the evolution in the construction industry at the service of modern architecture in which, together with practical and functional values, the resulting aesthetics that different projects demand become relevant. Hiansa's Ibiza profile has been specially designed for those construction projects in which the visual impact is a fundamental factor in the overall design.
It can be mounted both horizontally and vertically, on the façades of industrial buildings as well as in commercial, non-residential or residential buildings.
Available in both galvanized and pre-painted in a wide range of colors offered by HIANSA. For those mounting solutions that require it, this sheet can be provided with holes drilled 3 mm in diameter, 5 mm between shafts and staggered 60°.



USE							
Roof SANDWICH panel	Roof SANDWICH panel	Roof DECK panel	SIMPLE façade	Façade SANDWICH panel	Façade SANDWICH panel	Interior	Lost Formwork
Interior Profile	Exterior Profile	Base Profile		Interior Profile	Exterior Profile	False Ceilings	
			👍		👍	👍	

GEOMETRIC SPECIFICATIONS

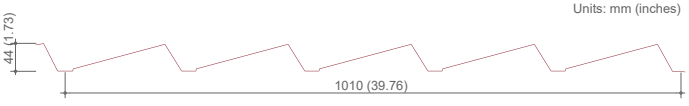
Geometric Specifications				
Characteristic	Value	Units	Tolerance / Standard	
Profile thickness (h)	44 (1.73)	mm	±1.5	EN 508-1
Thickness of stiffeners	0	mm	+3/-1	EN 508-1
Wave Pitch	202 (7.95)	mm	±3.0	EN 508-1
Width of the ridge and valley	151.5/22	mm	+4/-1	EN 508-1
Useful width (w)	1010 (39.76)	mm	(±0.1 • h) and ≤15	EN 508-1
Bending radius (r)	3	mm	±2.0	EN 508-1
Length (l)	1600 (62.99) to 14,000 (551.18)	mm	+20/-5	EN 508-1

Features of the Profile				
Characteristic	Value	Units	Tolerance / Standard	
Deviation from straightness	≤ to the tolerance	mm	±2/ml (max.10)	EN 508-1
Deviation from quadrature	≤to the tolerance	mm	≤ 0.005*w	EN 508-1
Deviation of the side overlap	≤ to the tolerance	mm	±2 s/500 mm	EN 508-1
Radius and angles of curvature	--	mm	--	EN 508-1
Sheet thickness	0.5 to 1.2	mm	UNE 10143	
Type of steel	S220GD to S320GD		UNE 10346	
Changes in measurements	12 x 10^{-6}K		UNE 14782	
Water resistance	Pass		UNE 14782	
Hazardous substance emissions	No emissions			
Behavior against fire	Broof (t1)		RD 110/2008	
Galvanized coating	UNE 10346			
Pre-painted coating	UNE 10169			
Fire resistance	Class A1			

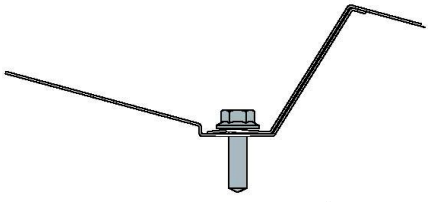
APPLIED STANDARD

Ref. Standard	Description
EN 508-1	Products for sheet metal roofing and cladding: Specify for self-supporting steel sheet products. Part 1: steel.
EN 10143	Sheets and strips of steel with continuous metal coating by hot dipping. Dimensional and shape tolerances.
EN 10169	Flat steel products, continuous coated with organic materials (pre-painted). Technical supply conditions.
EN 10346	Flat steel products, continuous coated by hot dipping. Technical supply conditions.
EN 14782	Self-supporting metal sheets for covering and cladding of roofs and façades. Product specifications and requirements.

Units: mm (inches)



SECTION PROFILE



OVERLAP AND FASTENING DETAIL

RESISTANCE TABLES

FAÇADE

MAXIMUM PRESSURE and SUCTION LOAD VALUES (kp/m²)

Panel thickness		0.6			0.8			1.0		
	Deflection/ Span ratio	1/150	1/300	1/500	1/150	1/300	1/500	1/150	1/300	1/500
1 Opening	1.5	263/476	263/314	186/189	402/686	402/419	251/251	562/868	524/524	314/314
	2.0	148/265	133/133	80/80	226/354	177/177	106/106	316/442	221/221	133/133
	2.5	95/136	68/68	41/41	145/181	91/91	54/54	202/226	113/113	68/68
	3.0	66/79	39/39	24/24	100/105	52/52	31/31	131/131	65/65	39/39
2 Openings	1.5	373/263	373/263	373/263	562/402	562/402	562/402	746/562	746/562	746/562
	2.0	231/148	231/148	191/148	346/226	346/226	255/226	455/316	455/316	319/316
	2.5	158/95	158/95	98/95	235/145	218/145	131/131	272/202	272/202	163/163
	3.0	115/66	94/66	57/57	170/100	126/100	76/76	157/140	157/140	94/94
3 Openings	1.5	411/329	411/329	357/329	628/502	628/502	476/476	878/702	878/702	595/595
	2.0	231/185	231/185	151/151	353/282	335/282	201/201	419/395	419/395	251/251
	2.5	148/118	129/118	77/77	226/181	171/171	103/103	214/214	214/214	129/129
	3.0	103/82	74/74	45/45	157/126	99/99	60/60	124/124	124/124	40/58

Due to the large size of the main rib in the profile, it is recommended that the panel be placed on an adjustable structure in order to be able to achieve a correct plumbing of the façade and thus prevent the external appearance of the profile from reproducing any irregularities that it may have.
For this same purpose, it is recommended that the profile be manufactured in thicknesses greater than 0.7mm and preferably in the lighter colors of the HIANSA line.

Permissible service loads, uniformly distributed in kg/m2. The tables have been obtained based on a calculation methodology established in accordance with the provisions of the standard EUROCODE 3 Part 1-3. These results comply with the Ultimate Limit States of normal and tangential stresses prescribed in said standards and with a limitation of the Serviceability Limit State for deformations of L/150. L/300 and L/500.