

M

PART OF
MANNI
GROUP



isocindu

BUILDING ENVELOPE SOLUTIONS
Cindu - Manni Group J.V.

INTERNATIONAL LEADERS WITH THE POWER OF A GROUP

Isocindu is the result of the partnership of two large industrial groups



Isopan, of Italian origin, belongs to the Manni Group with 7 industrial panel manufacturing plants.

Of Venezuelan origin, dedicated to the design, manufacture and commercialization of corrugated sheets for roofing systems.

7

Industrial
Factories

2°

Biggest in the IMP
Panel market

8

Latin american
countries

60

Years of
experience

This partnership allows Isocindu having a presence in Europe and Latin America through our manufacturing plants and distribution centers.



SEVERAL MARKETS A UNIQUE BRAND



EXPERIENCE AND KNOW HOW



STEEL UNIT



INSULATED METAL PANEL



RENEWABLE ENERGY



INNOVATION
SUSTAINABILITY
INTERNATIONALISATION

PANEL BUSINESS UNIT

68 Countries served
660 Employees
4,500 Customers

14 MILLION €
Investments
372 MILLION €
Turnover

Hi-end Technology



Isocindu´s Production capacity per year

2,000,000 m²



PUR



PIR



Mineral Wool

- Isopan´s Know-how with +50 years of experience
- 2,000,000 m² of capacity per year
- High speed shift typology
- Controlled foam injection that avoids caves inside
- 20 year pioneers using cyclopentane
- Quality control / automated machinery



SILAO, GUANAJUATO, MÉXICO
SINCE DECEMBER 2016



Great
Place
To
Work.®

Certified
NOV 2019–NOV 2020
USA™

SUSTAINABLE BUILDING SOLUTIONS

SUSTAINABLE TECHNOLOGY

We have a new-generation plant, which ensures a product of unbeatable quality that meets the toughest specifications and the best delivery times in the market.

- Food grade
- Non-toxic
- Chemically inert
- Antistatic
- Flexible
- Phthalate Free
- Washable
- Less Maintenance



CERTIFICATIONS

Certifications are the first commitment we make to our customers. We work with certified suppliers, who guarantee the quality of primary materials according to international standards.



ISOCINDU FOR LEED CERTIFICATION

IsoCindu contributes to the global challenge to improve the building sector based on an environmental sustainability perspective. Efficiency and energy savings guide IsoCindu's production management.



ASSOCIATIONS



CERTIFICATIONS

Certifications

Insulated Panels:

ASTM E28: Flame Speed 25 or less
ASTM E28: Smoke Speed 450 or less
ASTM C518: Thermal Transmission
ASTM D1929: Ignition Properties
ASTM E283: Air leakage through exterior
ASTM E331: Water penetration
ASTM D1623: Tensile adhesion properties
ASTM E72: Transverse load positive and negative pressure
ASTM E661: Roof punching shear resistance
ASTM C272: Density water absorption
ASTM C393: Coefficient of expansion for core and facing
ASTM E108: fire roof classification
FM 4471: Class A Fire Rating
FM 4471: Class 1-SH Severe Hail Damage
FM 4471: Wind Uplift Approvals
FM 4880: Class 1 fire Rating
FM 4881: Class 1 Ext Wall System

Certified EPD (environmental Product Declaration):

Program operator: UL Environment
Declaration number: 13CA27321.101.1
Declared product: Insulated Metal Panels
Reference PCR: Insulated Metal Panels & Metal Composite Panels, and Metal Cladding: Roof and Wall

ICC Certification:

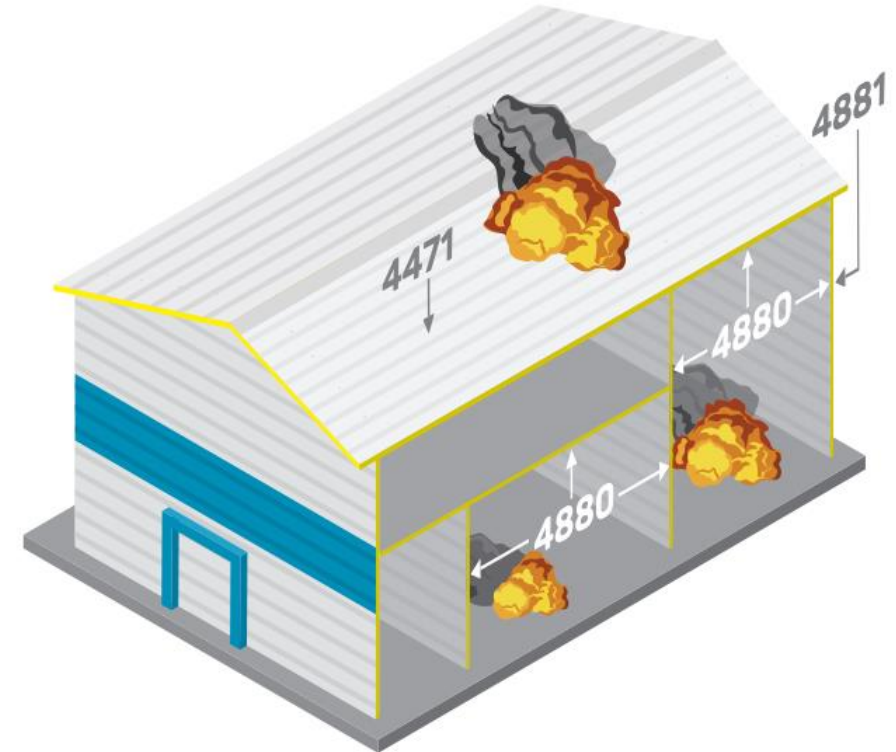
Certificate pending, please contact your sales rep for more information.

Skin Delamination:

No skin delamination with direct pull off pressure up to 1188 psf



FACTORY MUTUAL

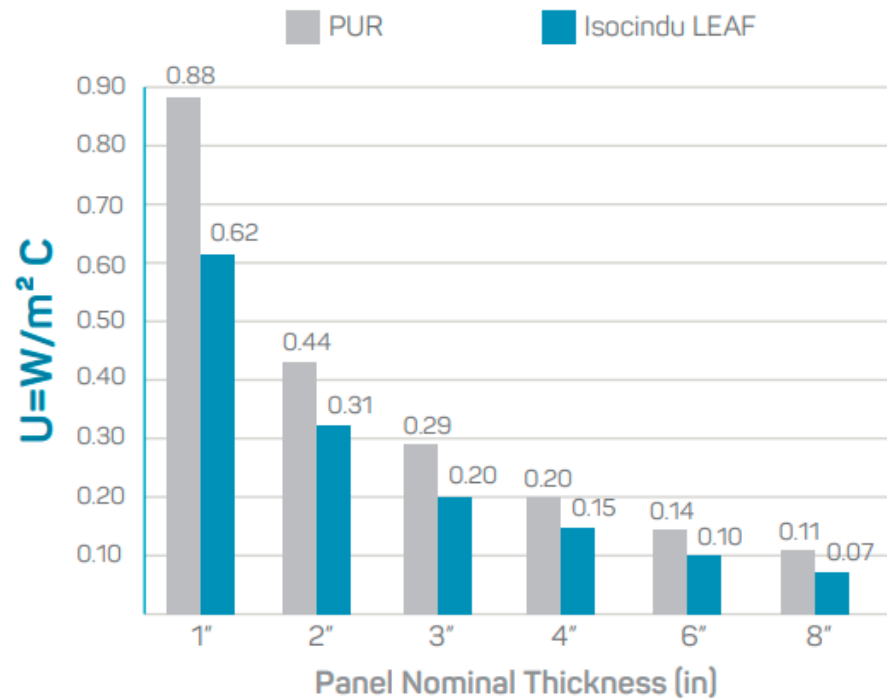


In order to obtain Factory Mutual certification, our panels have been tested to extreme conditions, including fire, wind, hail and other aggressive factors. This panel guarantees resistance, airtightness and safety.

Examination test - ASTM (4880, 4881 y 4471).

LEAF TECHNOLOGY

LEAF is the most advanced technology that summarizes all of the IsoCindu approach as a whole. LEAF is the IsoCindu technology applied to insulation formulas and provides important properties to wall and roofing panels, while contributing towards obtaining credits for the LEED (Leadership in Energy and Environmental Design) certifications



+20% Thermal Insulation

improves thermal performance of the isolating material, reducing the thermal conductivity value of the polyurethane foam. With the same thickness, it's possible to obtain lower thermal transmittance compared to a standard product.

B-s1, D0 Certification

LEAF technology has obtained the maximum reaction to fire certification in Europe for polyurethane panels, called B-s1, d0.

Halogen-Free Components

LEAF technology ensures high performance in fire behavior without using halogenated flame retardants. The performance of LEAF insulation foam gives lower energy consumption with the resulting reduction of CO2 emissions.

Lower Costs

Higher thermal efficiency means less energy waste and, consequently, less consumption.

An interesting investment

LEAF products lead to credits for LEED and BREEAM certifications. A building with these features offers a sustainable and environmentally friendly product.



Comercial



Architecture



Industrial



Cold storage

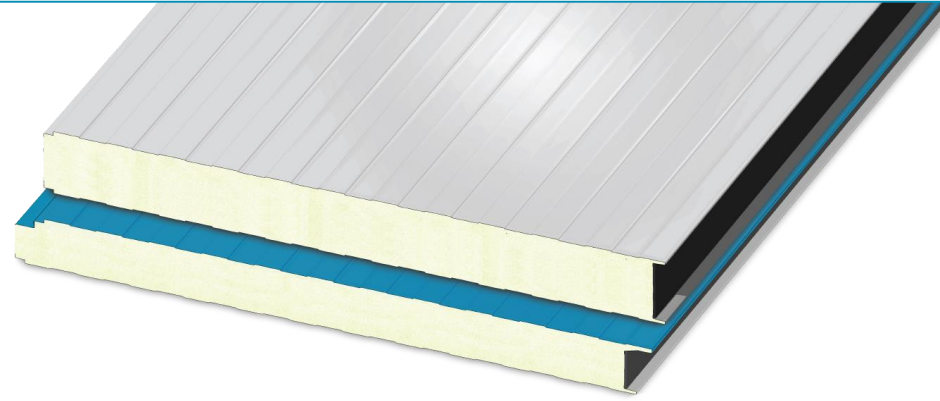
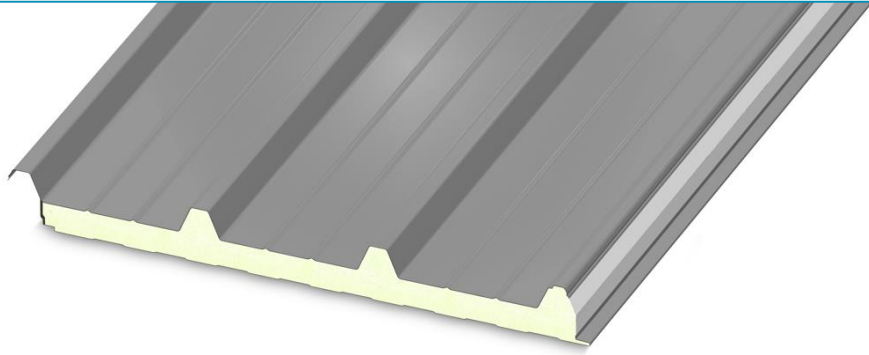


Agro Industrial



Infraestructure

INSULATED METAL PANEL



Roof Panel

Isocop

Double metal sheet panel with PUR and PIR foam for roofs with less than 5% slope.



Isogrecata

Single metal sheet panel with PUR and PIR foam, 4 ridges profiled with centesimal embossed aluminum interior face.



Isodeck Synth

Single metal sheet panel with PIR foam, 4 ridges profiled, PVC synthetic exterior face.



Isodeck PVSteel / TPO

Low slope panel, metallic exterior support with PVC membrane and profiled interior sheet. Ideal for green roof.



Isovinile

Single metal sheet panel with PIR foam, 4 ridges profiled and white vinyl interior coat.



Wall panel

Isobox, plissé y piano

Double metal sheet wall panel, with PUR and PIR foam and exposed fastening joint.



Isoparete Plissé, box y piano

Double metal sheet wall panel, with PUR and PIR foam and hidden fastening joint.



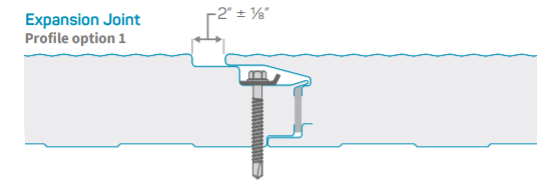
Isofire Wall - Plissé / Fono

Mineral wool insulation core, 5 ridges profiled exterior face, exposed fastening joint, gasket clips and acoustic insulation (fono).

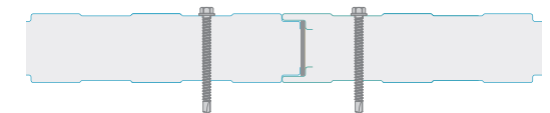
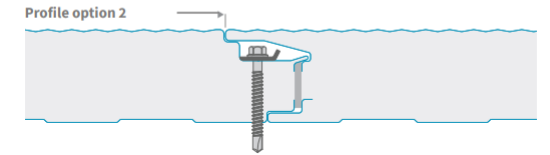


Joint Section

Expansion Joint
Profile option 1



Profile option 2



OUR ADVANTAGES



THICKNESS

The panels start with thicknesses from 1" to 6" and go up to 8", a unique measure offered by IsoCindu for the most demanding industrial sectors.



BUTYL INJECTION

Placed on the production process line, with a high solids content that will not rust, dry out or harden. It is designed to seal the joint seams of lap joints in roofs, wall panels and general joints.

GASKET

All our panels are produced with a gasket in the joint to prevent vapor leaking.

PERSONALIZED LOGO / WHITE LABEL

LEAD TIME PRODUCTION

2-3 weeks after order confirmation (Steel in stock)

Color Chart / Coating

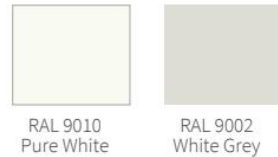


Finish



Standard Polyester

The colors listed below represent the IsoCindu standard.



Siliconized Modify Polyester

The colors listed below consult availability and delivery time



2-3 WEEKS: Ga. 28,26, 24

12-14 WEEKS

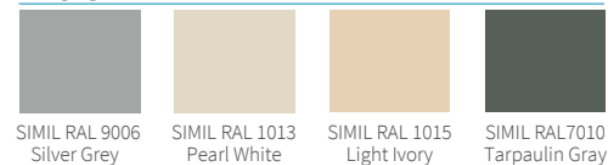
Solid PVDF Colors – Kynar 500® / Hylar 5000

Coatings are durable polyvinylidene coating system containing 70% Kynar or Hylar resins, ceramic and other inorganic pigments. This system provides a powerful chemical bond, superior resistance to ultraviolet radiation resulting in exceptional color retention, resistance to chalking and chemical degradation. 20 years warranty

Category 1

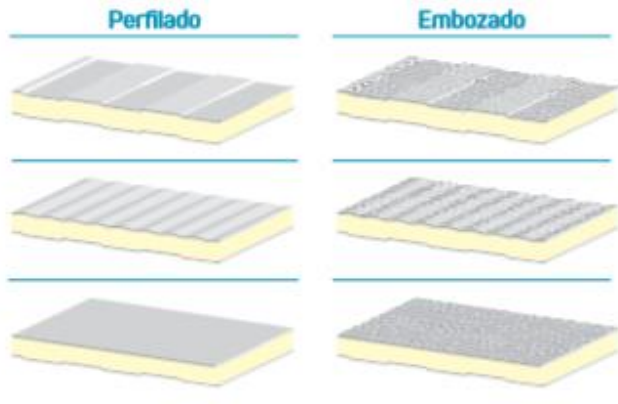


Category 2

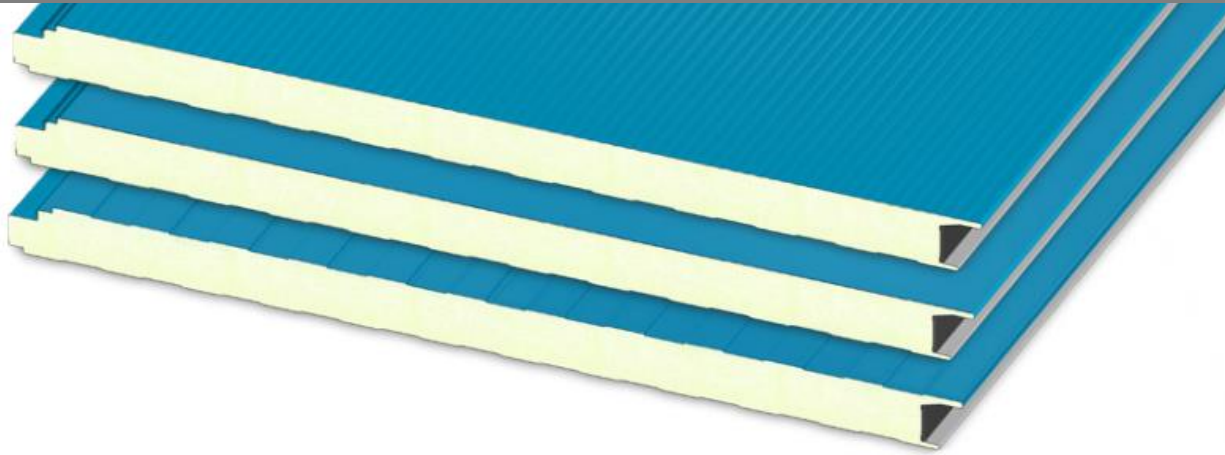


STOCK: Ga. 26,24 and 22

STOCK Special colors

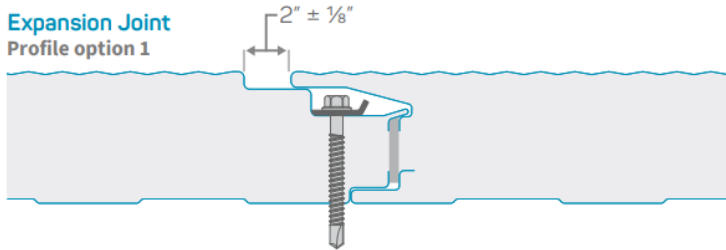


ISOPARETE WALL PANEL

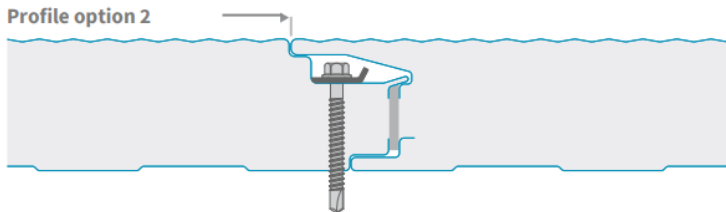


A double-steel sheet wall panel, insulated with polyisocyanurate rigid foam. The tongue-and-groove joint completed by concealed fasteners and saddle clip. The External faces are available in striated, box and flat profiles. The internal face is standard with the box profile

Expansion Joint
Profile option 1

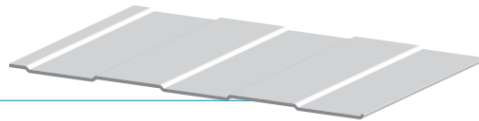


Profile option 2

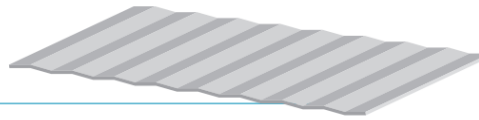


External face profile

Box



Striated



Flat



	ISOPARETE BOX	ISOPARETE Plissé	ISOPARETE Piano
Length	Up to maximum transportable		
Useful Pitch (in-mm)	39"-1000		
Insulating Thickness (in-mm)	1"5/8-41,3; 2"-50,8; 2"1/2-63,5; 3"-76,2; 4"-101,6; 5"-127; 6"-152,4		
External face	micro-ridged lightly profiled metal sheet	"diamond" lightly profiled metal sheet	flat metal sheet
Internal face	micro-ridged lightly profiled metal sheet		

Thermal Transmission Test

	Panel Nominal Thickness (in)							
	1½"	2"	2½"	3"	4"	5"	6"	8"
PIR - 75° F Mean Temp - According to ASTM C518 Test								
U - Factor	0.14	0.07	0.06	0.05	0.04	0.03	0.02	0.02
R - Value	7.04	14.08	17.61	21.13	28.17	35.21	42.25	56.34
PIR - 35° F Mean Temp - According to ASTM C518 Test								
U - Factor	0.07	0.06	0.05	0.04	0.03	0.02	0.02	0.01
R - Value	12.80	15.75	19.69	23.62	31.5	39.37	47.24	62.99
PUR - 35° F Mean Temp - According to ASTM C518 Test								
U - Factor	0.08	0.06	0.05	0.04	0.03	0.02	0.02	0.01
R - Value	12.50	15.38	19.23	23.08	30.77	38.46	46.15	61.54

ISOPARETE- PIR FM

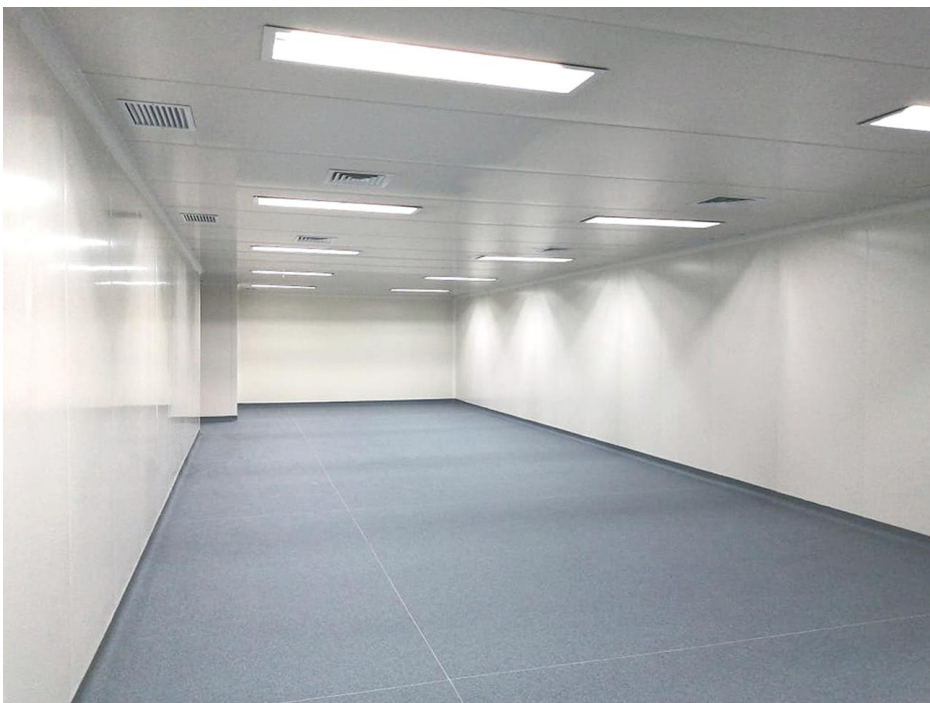
KEKÉN- MÉXICO



PRODUCT

- ISOPARETE BOX
- ISOCOP
- SUPER ISOBOX
- 2", 4", 8"
- PIR FACTORY MUTUAL
- 65.000 M2



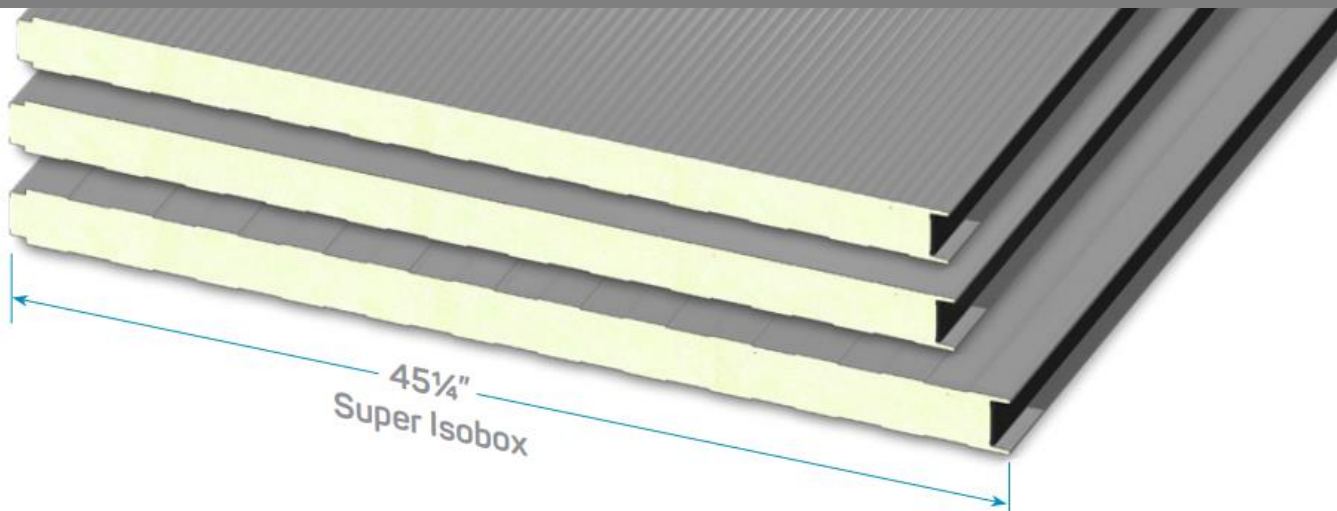


PRODUCT

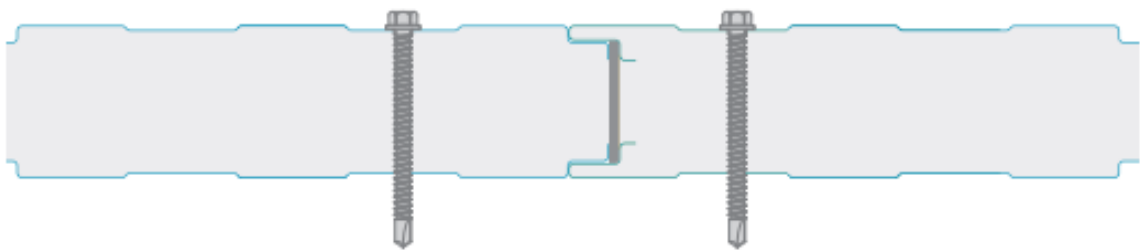
- ISOPARETE PIANO
- FLAT FINISH BOTH SIDES
- PURE WHITE RAL 9010
- GA. 24

ISOBOX (39")- SUPERISOBOX (45")

WALL PANEL



A double-steel sheet wall panel, insulated with polyisocyanurate rigid foam. The tongue-and-groove joint completed by concealed fasteners and saddle clip. The External faces are available in striated, box and flat profiles. The internal face is standard with the box profile



	ISOBOX	ISOBOX Plissé	ISOPIANO
Length	Up to maximum transportable		
Useful Pitch (in-mm)	39"-1000 mm; (for Isobox also available 45' 1/4"- 1150 mm)		
Insulating Thickness (in-mm)	1"1/4-31,8; 1"5/8-41,3; 2"-50,8; 2"1/2-63,5; 3"-76,2; 4"-101,6; 5"-127; 6"-152,4; 8"-203,2		
External face	micro-ridged lightly profiled sheet	"diamond" lightly profiled sheet	flat metal sheet
Internal face	micro-ridged lightly profiled metal sheet		flat metal sheet

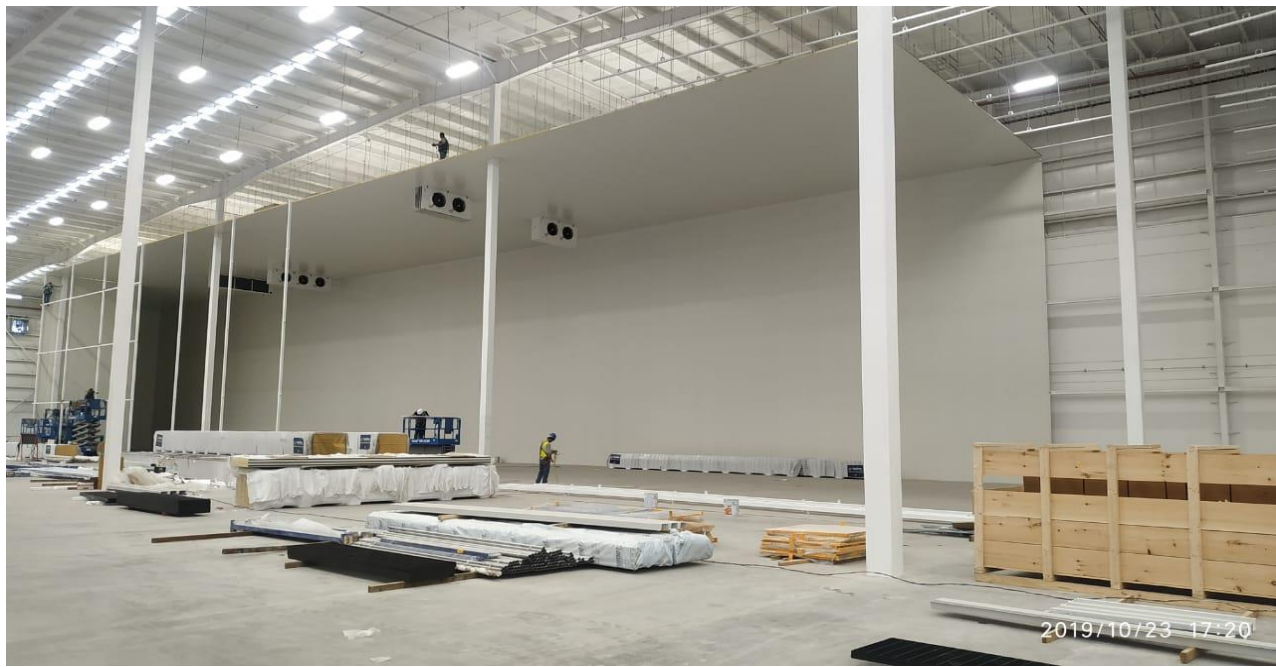
Thermal Transmission Test

	Panel Nominal Thickness (in)							
	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
	PIR - 75° F Mean Temp - According to ASTM C518 Test							
U - Factor	0.14	0.07	0.06	0.05	0.04	0.03	0.02	0.02
R - Value	7.04	14.08	17.61	21.13	28.17	35.21	42.25	56.34
	PIR - 35° F Mean Temp - According to ASTM C518 Test							
U - Factor	0.07	0.06	0.05	0.04	0.03	0.02	0.02	0.01
R - Value	12.80	15.75	19.69	23.62	31.5	39.37	47.24	62.99
	PUR - 35° F Mean Temp - According to ASTM C518 Test							
U - Factor	0.08	0.06	0.05	0.04	0.03	0.02	0.02	0.01
R - Value	12.50	15.38	19.23	23.08	30.77	38.46	46.15	61.54

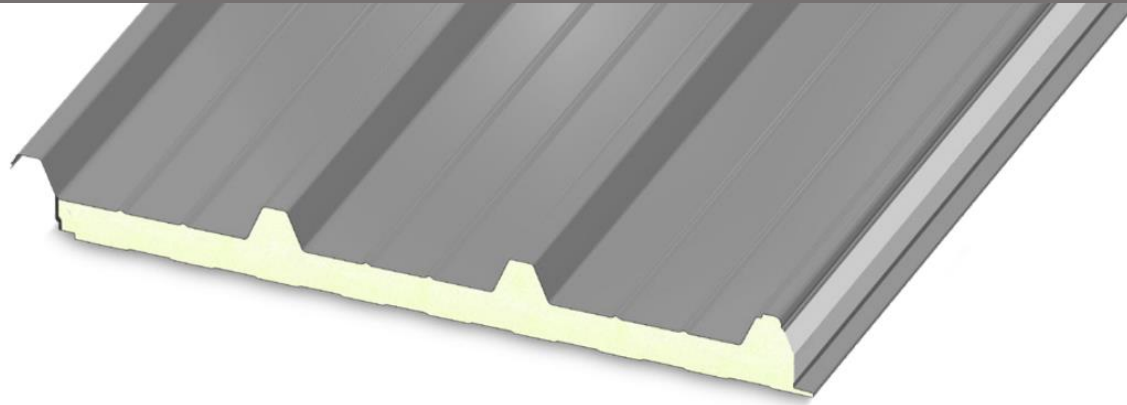
ISOBOX/ SUPER ISOBOX

WALL PANEL

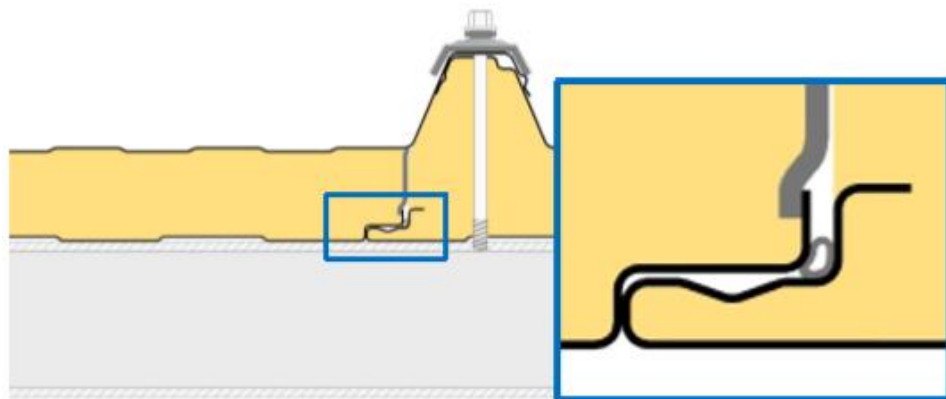




ISOCOP ROOF PANEL



A double-steel sheet roof panel assembly insulated with polyisocyanurate rigid foam. This design caters to “low sloped” pitched roofs. Sheets have (4) trapezoidal rows on each panel to enhance static and dynamic forces. Panels have exposed fastening system that includes saddle clips at each anchoring point. Systems applicable in design to incorporate within a multitude of roofing sub structure assemblies.



	ISOCOP 4
Length	Up to maximum transportable
Useful Pitch (in-mm)	39°-1000
Insulating Thickness (in-mm)	1"-25,4; 1 1/2"-38; 2"-50,8; 2 1/2"-63,5; 3"-76,2; 4"-101,6; 5"-127; 6"-152,4; 8"-203,2
External support	Ribbed metal sheet with 4 ribs: -rib height - 1/8" -rib pitch 11" - 1' 1"
Internal support	micro-ribbed lightly profiled metal sheet

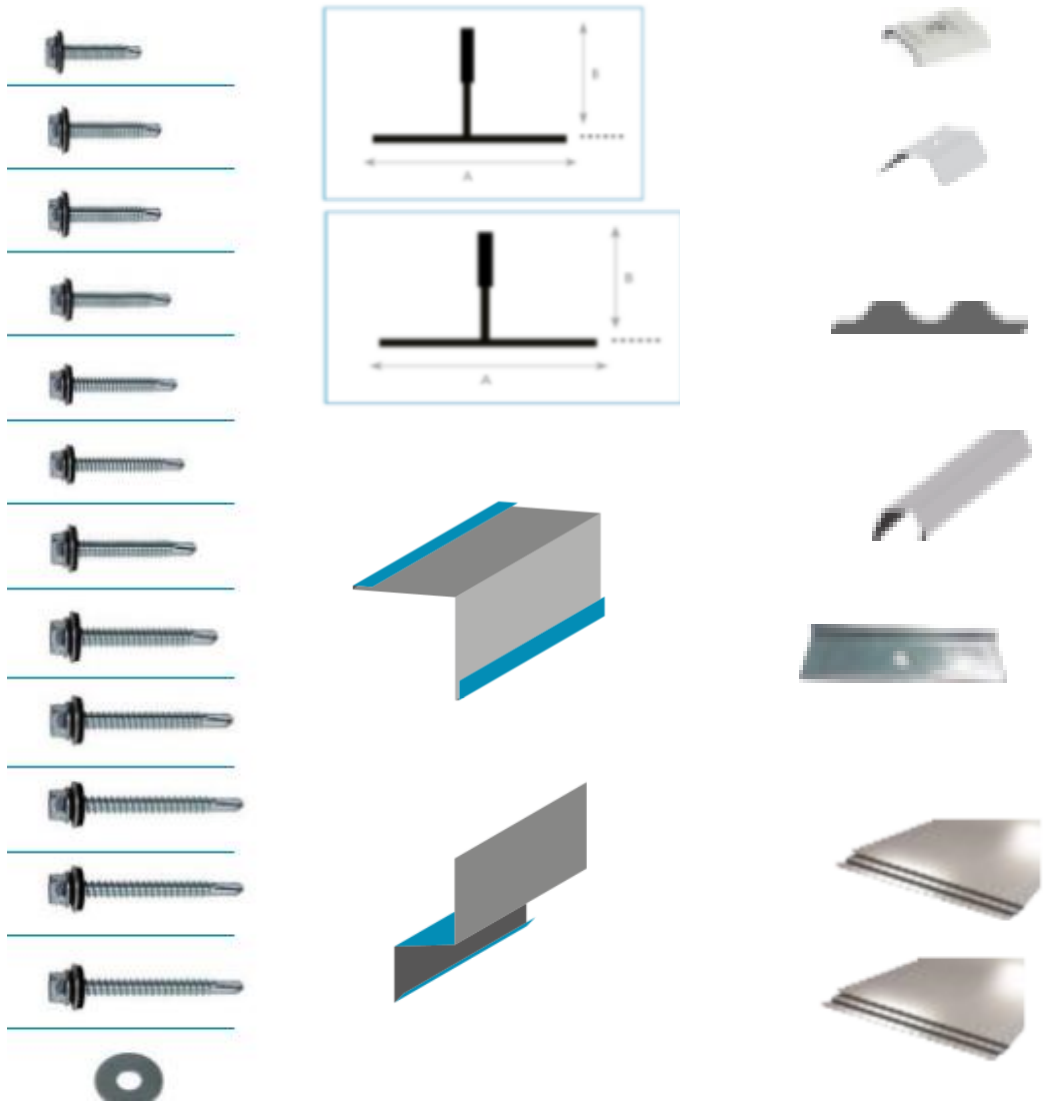
Thermal Transmission

	Panel Nominal Thickness (in)								
	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
PIR - 75° F Mean Temp - According to ASTM C518 Test									
U - Factor	0.14	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.02
R - Value	7.04	10.56	14.08	17.61	21.13	28.17	35.21	42.25	56.34
PIR - 35° F Mean Temp - According to ASTM C518 Test									
U - Factor	0.12	0.08	0.06	0.05	0.04	0.03	0.02	0.02	0.01
R - Value	7.87	11.81	15.75	19.69	23.62	31.50	39.37	47.24	62.99
PUR - 35° F Mean Temp - According to ASTM C518 Test									
U - Factor	0.13	0.08	0.06	0.05	0.04	0.03	0.02	0.02	0.01
R - Value	7.69	12.50	15.38	19.23	23.08	30.77	38.46	46.15	61.54

ISOCOP ROOF PANEL



TRIMS AND ACCESORIES



Trims and accesories catalogue

We can develop the trims the project requests

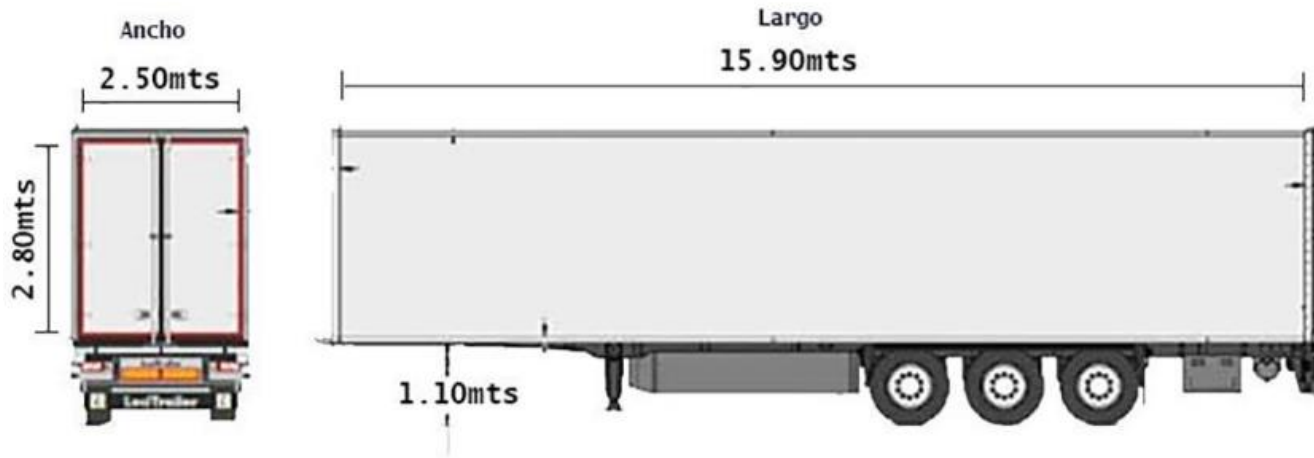
Flat sheets

4x 10" – ga. 26 or 24 – smooth or embossed

Take off

Isocindu can recommend based on PDF design the take off the project (panel cutting and accesories/trims required)

LOGISTICS INTO THE US



CONSIDERATIONS

- Export packaging (protection) – slings for upload/download
- Lengths: up to 53 ft (flat bed) 50ft dry van
- DDP- all included (customs) or Exworks



FOLLOW US!

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