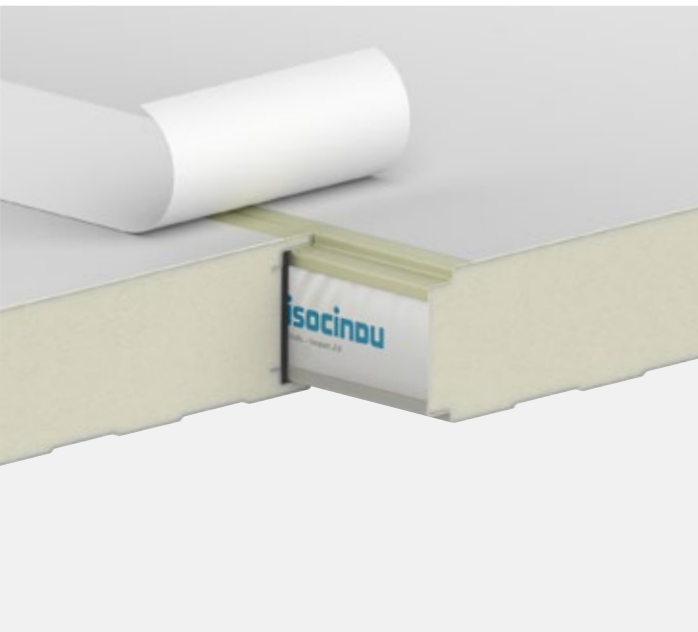


ISOBOX TPO / PVC

TPO & PVC Steel Exposed Fastener

Wall Panel



Specifications

Lenght:	Maximum of 53'
Width:	★ 39 3/8"
Thickness:	1 1/2" 2" 2 1/2" 3" 4" 5" 6" 8"
Foam Core:	PUR, PIR, PIR R+, Leaf (Best R value) 2.62 - 2.49 LB/FT ³
Joint Type:	Tongue and Groove - Exposed
Gasket:	Open Cell Gasket - Butyl available upon request
Steel Gauge:	Exterior: 22 - Interior: 22, 24, 26, 28
External Face:	PVC/TPO Coated Metal Base
Internal Face:	Pre-painted Coated Steel (ASTM A653)
Std. Coating:	USDA Approved
Orientation:	Vertical - Horizontal

Other Paint systems available upon demand. For trims and accessories, ask your sales rep or contact Isocindu for more information and availability.

Features

This system is our isobox wall panel with the external face in TPO or PVC, a single PLY membrane syste.

The TPO is composed of a thermoplastic waterproofing membrane, characterized by the absence of plasticizers and halogens, giving resistance to aging, UV rays, and atmospheric agents making. The synthetic PVC-P, is a light gray top layer, highly resistant to atmospheric agents and UV rays.

Options

Isoparete TPO / PVC is an affordable panel that provides a better internal view, thermal insulation, and easy cleaning, with functional quality. Available with butyl seal placed in plant.

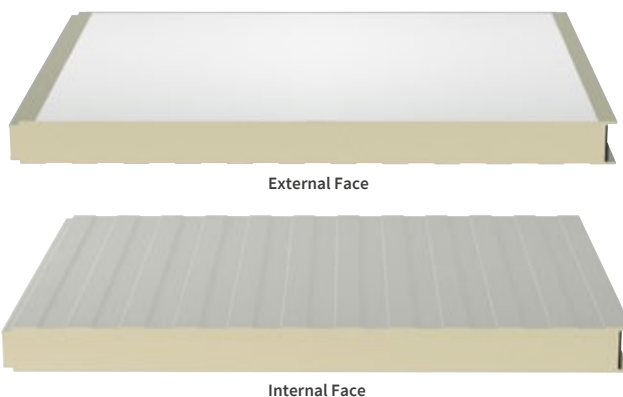
Benefits

TPO: Lightweight, UV-resistant, flexible, and cost-effective, ideal for energy efficiency and solar reflectivity requirements.

PVC: Strong, fire-retardant, chemically resistance and long lasting. Perfect for industrial, hygienic or safety applications

Suitable for

-  **Industrial:** Warehouse, Factories, Distribution Centers
-  **Cold Chain:** Cold Chambers, Freezers, Cold Chain Facilities
-  **Commercial:** Offices, Malls, Convention Centers
-  **Architectural:** Schools, Government, Transport hubs
-  **Specialized:** Flat Roofs, Green Building, Data Centers



ISOBOX TPO / PVC

Wall Panel

TPO & PVC Steel Exposed Fastener

Panel Weight

Steel Thickness		Panel Nominal Thickness (in)							
		1½"	2"	2½"	3"	4"	5"	6"	8"
26/26	PSF	2.07	2.14	2.24	2.33	2.52	2.70	2.89	3.27
24/26	PSF	2.44	2.51	2.61	2.70	2.85	3.04	3.26	3.64
24/24	PSF	2.78	2.85	2.94	3.04	3.22	3.41	3.60	3.97
22/26	PSF	2.72	2.70	2.88	2.98	3.16	3.35	3.54	3.91

Thermal Insulation

Thickness	1½"	2"	2½"	3"	4"	5"	6"	8"
Value	PIR R+ 75° F Mean Temp (95° to 55°) ASTM C518							
U (Btu/H ft² F)	0.08	0.06	0.05	0.04	0.03	0.02	0.02	0.01
R (H ft² F/Btu)	12.3	15.1	18.8	22.6	30.1	37.7	44.9	60.4
Value	PIR R+ 35° F Mean Temp (55° to 15°) ASTM C518							
U (Btu/H ft² F)	0.07	0.05	0.04	0.04	0.03	0.02	0.02	0.01
R (H ft² F/Btu)	13.8	16.8	20.8	25.2	33.7	42.1	50.5	67.4

Load Chart

To obtain specific information about the panel's load capacity values, please contact an authorized Isocindu sales representative or technical specialist.

Dimensional Tolerance

Lenght	$L \leq 9' 10" \pm \frac{1}{8}"$ $L > 9' 10" \pm \frac{3}{8}"$	Perpendicularity Deviation	$\frac{1}{4}"$
Working Lenght	$\pm \frac{1}{16}"$	Misalignment of the internal metal surfaces	$\pm \frac{1}{8}"$
Thickness	$D \leq 4" \pm 1 \frac{1}{16}"$ $D > 4" \pm 2 \%$	Bottom Sheet Coupling	$F = 1 + \frac{1}{8}"$

L = working length, D = panel thickness, F = sheet coupling

Joint Section

