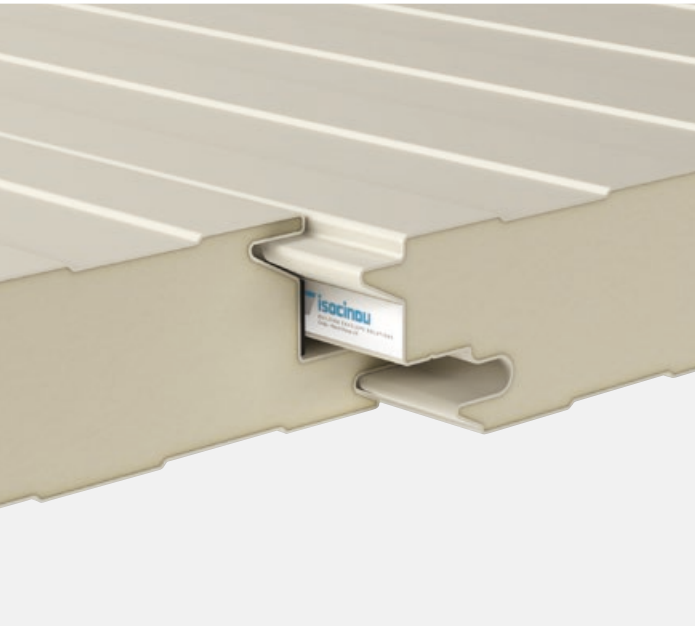


Double Joint Concealed Fastener



Specifications

Length:	Maximum length of 53'
Width:	★ 36" / 39" / 42"
Thickness:	2" 2½" 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 - Hidden
Gasket:	Open Cell Gasket - <i>Butyl available upon request</i>
Steel Gauge:	Exterior: 22, 24, 26 - Interior: 22, 24, 26, 28
Coating:	Polyester Std. G60, Kynar G90, Stainless Steel 314
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

A double-steel sheet wall panel, with polyisocyanurate rigid foam. Advanced double-joint system and internal and external mechanical seals ensure exceptional performance, including a high load capacity. External faces available in striated, box, and flat profiles. The internal face is standard with the box profile (contact us for other options).

Options

Isofort is available in thicknesses ranging from 2.5" to 8", with panel widths of 36", 39", and 42", and in 22, 24, or 26 gauge to meet a variety of project requirements. Engineered to withstand harsh weather conditions, it features a concealed joint for a seamless, watertight finish.

Benefits

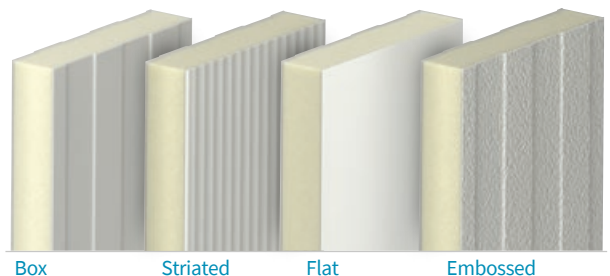
- Double joint advanced design
- 3 different standard widths
- Internal and external mechanical seals
- High thermal resistance for controlled temperatures
- Up to 8" thick

Suitable for

-  **Industrial:** Warehouse, Factories, Distribution Centers
-  **Cold Chain:** Cold Chambers, Freezers, Cold Chain facilities
-  **Commercial:** Offices, Malls, Hotels, Healthcare facilities
-  **Architectural:** Schools, Museums, Government, Transport hubs
-  **Specialized:** Airports, Green Building, Data Centers, Stadiums

Face Profiles

Striated and flat profiles, it's recommended to use 24 gauge or higher.



Double Joint Concealed Fastener

Load Chart

Isofort Pro (36") 2 Simple Supports						
PSF	20	25	30	35	40	45
Panel thickness	26/26 Ga - PIR with 10% Safety Factor - PSF Values					
2½"	10'-4"	8'-2"	6'-6"	6'-4"	6'-1"	5'-10"
3"	10'-5"	8'-4"	6'-8"	6'-6"	6'-2"	6'-1"
4"	10'-11"	8'-10"	6'-10"	6'-8"	6'-4"	6'-2"
5"	11'-1"	9'-2"	7'-1"	6'-10"	6'-6"	6'-4"
6"	11'-5"	9'-4"	7'-2"	7'-1"	6'-8"	6'-6"
8"	12'-1"	9'-6"	7'-4"	7'-4"	7'-2"	6'-10"

Isofort (39") 2 Simple Supports						
PSF	20	25	30	35	40	45
Panel thickness	26/26 Ga - PIR with 10% Safety Factor - PSF Values					
2½"	7'-4"	7'-1"	6'-8"	6'-6"	6'-4"	6'-2"
3"	7'-6"	7'-2"	6'-10"	6'-8"	6'-6"	6'-4"
4"	7'-8"	7'-6"	7'-2"	7'-1"	6'-10"	6'-6"
5"	8'-1"	7'-8"	7'-6"	7'-2"	7'-2"	6'-10"
6"	8'-4"	8'-1"	7'-8"	7'-6"	7'-4"	7'-2"
8"	8'-10"	8'-6"	8'-1"	8'-1"	7'-10"	7'-8"

Isofort Plus (42") 2 Simple Supports						
PSF	20	25	30	35	40	45
Panel thickness	26/26 Ga - PIR with 10% Safety Factor - PSF Values					
2½"	6'-6"	6'-4"	6'-2"	6'-1"	6'	5'-10"
3"	6'-8"	6'-6"	6'-4"	6'-2"	6'-1"	6'-1"
4"	6'-10"	6'-8"	6'-6"	6'-6"	6'-2"	6'-2"
5"	7'-1"	6'-10"	6'-8"	6'-8"	6'-4"	6'-4"
6"	7'-2"	7'-1"	6'-10"	6'-10"	6'-6"	6'-6"
8"	7'-8"	7'-4"	7'-2"	7'-1"	7'-1"	6'-10"

- 1.- The results are considered without any fasteners (Fablock/clamping screws).
- 2.- The results were considered with a maximum deflection of L/180.
- 3.- The results do not take into account the thickness of the supports or the fastening method. The results exclude the temperature differential.

"The load chart above does not apply to ceilings. Project-specific load calculation requirements must be determined by the design team and/or structural engineer. Charts are reference only, contact Isocindu's technical area for more information

Thermal Insulation

Thickness	2½"	3"	4"	5"	6"	8"
Value	PIR R+ 75° F Mean Temp (95° to 55°) ASTM C518					
U (Btu/H ft² F)	0.05	0.04	0.03	0.02	0.02	0.01
R (H ft² F/Btu)	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)	0.04	0.04	0.03	0.02	0.02	0.01
R (H ft² F/Btu)	20.8	25.2	33.7	42.1	50.5	67.4

Dimensional Tolerance

Lenght	L ≤ 9' 10" ± 1/8" L > 9' 10" ± 3/8"	Perpendicularity Deviation	1/4"
Working Lenght	± 1/16"	Misalignment of the internal metal surfaces	± 1/8"
Thickness	D ≤ 4" ± 1 1/16" D > 4" ± 2 %	Bottom Sheet Coupling	F = 1 + 1/8"

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

Fixing System

