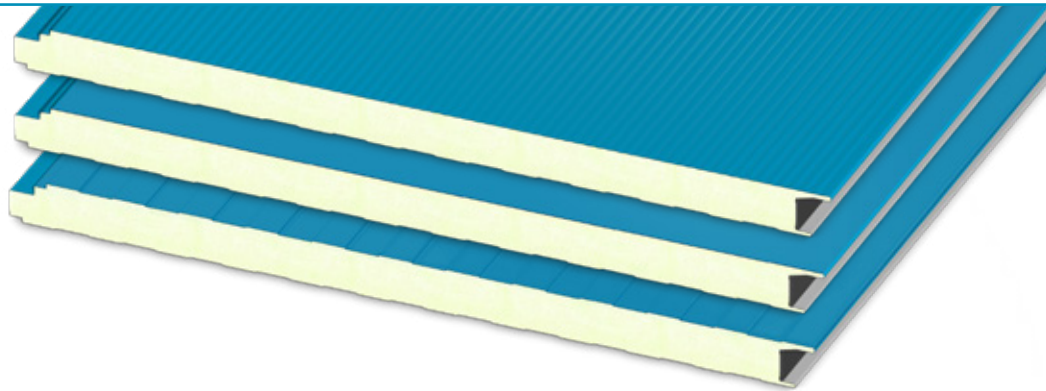


ISOPARETE

Wall Panel

Box / Striated / Flat



Features

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

Options

Isoparete is a sandwich panel characterized by a hidden fixing joint system, used for industrial and commercial building walls, and perfect solution for cold storage industries. It can be used in combination with wall sandwich panels Isoclass and Isoparete.

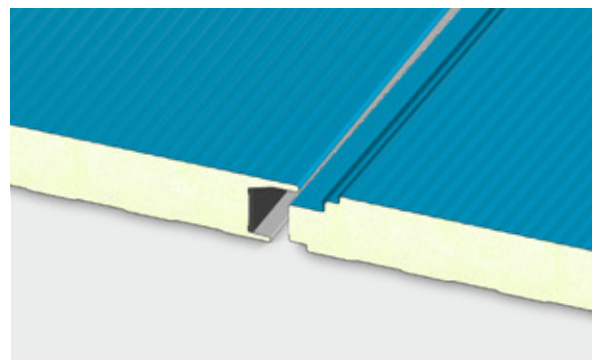
Benefits

- Suitable for controlled temperatures
- Gasket barrier to prevent vapor leaks
- High mechanical strength
- High puncture resistance
- High thermal resistance
- Up to 8" thick
- Possibility of combination with compatible panels



Specifications

Standard Length:	Typical panel length is 8' up to a maximum of 54' (Subject to transportation limitations)
Width	39 3/8"
Joint:	Interconnecting male/female
Thickness:	1 1/2" 2" 2 1/2" 3" 4" 5" 6" 8"
Exterior Face	Prepainted steel
Interior Face:	Shadowline profile
Foam Density:	2.49 LB/FT ³
Exterior Finish:	Polyester coating
Interior Finish:	Polyester coating
Joint Type:	Hidden



For trims and accessories, ask your sales rep or contact Isocindu for more information and availability.

Box / Striated / Flat

Overload Wheelbase Load Distribution / Max Spans ft/in

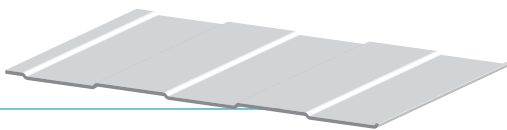
PSF	Panel Nominal Thickness (in/mm)							
	1½"	2"	2½"	3"	4"	5"	6"	8"
	41.27	50.8	63.5	76.2	101.6	127	152.4	203.2
Steel Sheets 24/26 (Ga) - Bearing 4½"								
10.24	10' 5½"	12' 5½"	14' 5½"	17' 5½"	19' 8½"	22' 1½"	25' 7½"	29' 1½"
12.29	9' 10"	11' 5¾"	13' 5"	15' 6½"	18' 4¾"	20' 10"	22' 7½"	26' 1½"
16.38	8' 6¼"	10' 1½"	11' 5¾"	13' 7¾"	16' ¾"	18' 3¾"	20' 8"	24' 2"
20.48	7' 6½"	9' ¼"	10' 5½"	12' 3¾"	14' 9½"	16' 10¾"	18' 8¾"	22' 2¾"
24.57	6' 10½"	8' 2¾"	9' 6½"	11' 1¼"	13' 7¾"	15' 7"	17' 2½"	20' 8½"
28.67	6' 2¾"	7' 6½"	8' 8¼"	10' 1½"	12' 7½"	14' 7½"	15' 8½"	19' 2½"
32.77	5' 8¾"	6' 10½"	8' ¾"	9' 6½"	11' 11½"	13' 7¾"	15' 1"	18' 7"
36.86	5' 4¾"	6' 4¾"	7' 6½"	9' ¼"	11' 3¾"	12' 11½"	13' 11¼"	17' 5¼"
40.96	5' ¾"	6' ¾"	7' ¾"	8' 4¾"	10' 7¾"	12' 3¾"	13' 5¾"	16' 11¾"

Overload Wheelbase Load Distribution / Max Spans ft/in

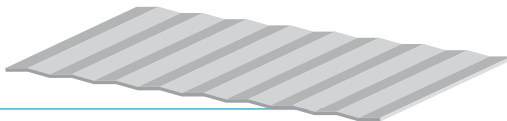
PSF	Panel Nominal Thickness (in)							
	1½"	2"	2½"	3"	4"	5"	6"	8"
Steel Sheets 24/26 (Ga) - Bearing 4½"								
10.24	12' 5½"	14' 9½"	17' ¾"	20' 2½"	22' 11½"	24' 7½"	27' 2½"	28' 8½"
12.29	11' 1¼"	13' 5½"	15' 5"	18' 4¾"	20' 8"	21' 11¼"	26' 4¾"	27' 10¾"
16.38	9' 6½"	11' 5¾"	13' 5¾"	15' 7"	17' 2½"	18' 8¾"	24' 3¼"	25' 9¼"
20.48	8' 6¼"	10' 2"	11' 9½"	13' 9¼"	15' 5"	16' ¾"	20' 11½"	22' 5½"
24.57	7' 6½"	9' 2½"	10' 5½"	12' 1½"	13' 7¾"	14' 7½"	18' 2½"	19' 8½"
28.67	6' 6½"	8' 2¾"	9' 8½"	11' 1¼"	12' 5½"	13' 5¾"	16' 6¾"	18' 3¾"
32.77	6' ¾"	7' 2½"	8' 8¼"	10' 2"	11' 7¾"	12' 3¾"	15' 1"	16' 7"
36.86	5' 2¾"	6' 6½"	7' 10½"	9' 4½"	11' 1¼"	11' 7¾"	13' 9¼"	15' 3¼"
40.96	4' 9"	5' 10¾"	7' 5½"	8' 8¼"	10' 4"	10' 11½"	13' 1¾"	14' 7¾"

External face profile

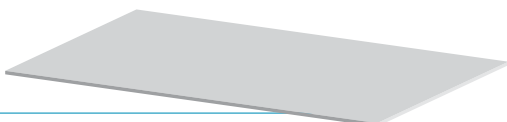
Box



Striated



Flat



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

R	Panel Nominal Thickness (in)							
	1½"	2"	2½"	3"	4"	5"	6"	8"
75° F Mean Temp (23.9 °C) According to ASTM C518								
m²K/W	2.01	2.48	3.10	3.72	4.96	6.20	7.44	9.92
H ft² F/Btu	11.44	14.08	17.61	21.13	28.17	35.21	42.25	56.34
35° F Mean Temp (1.67 °C) According to ASTM C518								
m²K/W	2.25	2.77	3.46	4.16	5.54	6.93	8.32	11.09
H ft² F/Btu	12.81	15.75	19.69	23.62	31.50	39.37	47.24	62.99

Dimensional Tolerance

Length	L ≤ 9' 10" ± ½" L > 9' 10" ± ¾"	Perpendicularity Deviation	¼"
Working Length	± 2 mm	Misalignment of the internal metal surfaces	± ⅛"
Thickness	D ≤ 4" ± ⅛" D > 4" ± 2%	Bottom Sheet Coupling	F = 1 + ⅛"

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

These Span & Load Charts were converted from Metric to Imperial Units. The performance criteria was developed from years of products testing used in ISOPAN Europe / ISOCINDU Central & South America. Actual Load Calculation Requirements are Project specific and must be determined by the Design Team and/or the Structural Engineer of Record. Manni Green Tech will provide assistance, as may be required, to determine the best system for the specific Project Design Requirements. These Charts are for base reference use only.

