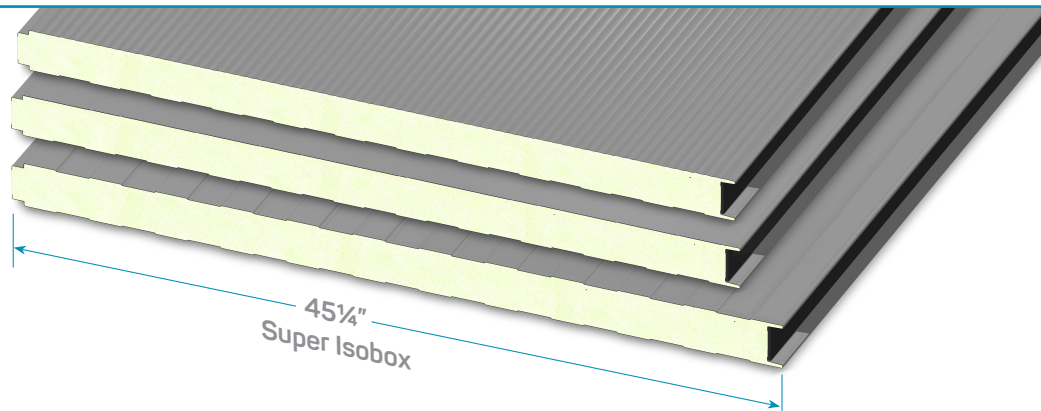


ISOBOX / SUPER ISOBOX

Wall Panel

Box / Striated / Flat



Features

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

Options

IsoBox is a sandwich panel for coating used in walls of industrial buildings, and internal partitions, suitable for cooling chambers. Available in 45 1/4" width, perfect size for cold storage.

Benefits

- Suitable for controlled temperatures
- Up to 8" thick
- Available in 45 1/4" width
- Gasket barrier to prevent vapor leaks
- High mechanical strength
- High puncture resistance
- High thermal resistance

Specifications

Standard Length: Typical panel length is 8' up to a maximum of 54' (Subject to transportation limitations)

Width 39 3/8" / 45 1/4"

Joint: Interconnecting male/female

Thickness: 1 1/8" 2" 2 1/2" 3" 4" 5" 6" 8"

Exterior Face Prepainted steel

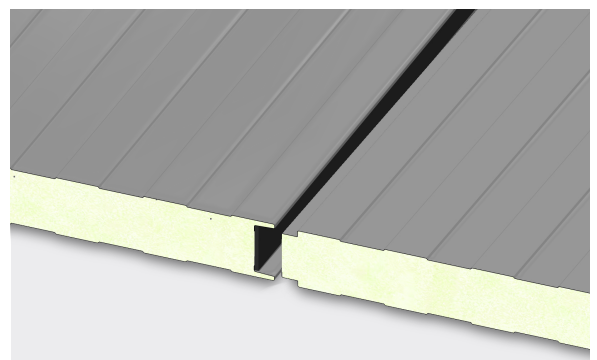
Interior Face: Shadowline profile

Foam Density: 2.49 LB/FT³

Exterior Finish: Polyester coating

Interior Finish: Polyester coating

Joint Type: Exposed



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

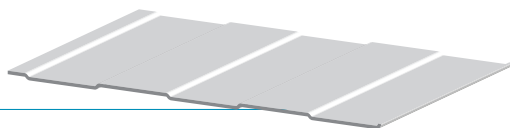
PSF	Panel Nominal Thickness (in/mm)							
	1½"	2"	2½"	3"	4"	5"	6"	8"
	41.2	50.8	63.5	76.2	101.6	127	152.4	203.2
Steel Sheets 26/26 (Ga) - Bearing 4½"								
10.24	10' 5½"	12' 5½"	14' 5½"	18' ½"	19' 8¼"	22' 1¼"	25' 7½"	27' 6½"
12.29	9' 9½"	11' 5¼"	13' 5½"	16' 4¾"	18' 4¾"	20' 10"	22' 7½"	27' ¾"
16.38	8' 6¼"	10' 2"	11' 5¼"	14' 5½"	16' ¾"	18' 3¾"	20' 8"	25' 5"
20.48	7' 6½"	9' ¼"	10' 5½"	12' 11½"	14' 9½"	16' 10¾"	18' 8¾"	23' 3½"
24.57	6' 10½"	8' 2¾"	9' 6½"	11' 9½"	13' 7¾"	15' 7"	17' 2¾"	21' 1½"
28.67	6' 2¾"	7' 6½"	8' 8¼"	10' 9¾"	12' 7½"	14' 7½"	15' 8¾"	19' 8¾"
32.77	5' 8¾"	6' 10½"	8' ¾"	10' 2"	11' 11½"	13' 7¾"	15' 1"	18' 10½"
36.86	5' 4¾"	6' 4¾"	7' 6½"	9' 6½"	11' 3¾"	12' 11½"	13' 11¼"	17' 8½"
40.96	5' 1"	6' ¾"	7' ¾"	8' 10¼"	10' 7¾"	12' 3½"	13' 5½"	16' 6¾"

Overload Wheelbase Load Distribution / Max Spans ft/in

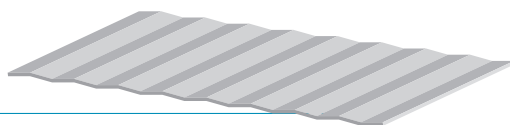
PSF	Panel Nominal Thickness (in)							
	1½"	2"	2½"	3"	4"	5"	6"	8"
	41.2	50.8	63.5	76.2	101.6	127	152.4	203.2
Steel Sheets 26/26 (Ga) - Bearing 4½"								
10.24	12' 5½"	14' 9½"	17' ¾"	20' 3¾"	22' 11½"	24' 7¾"	27' 2¾"	29' ¾"
12.29	11' 1¾"	13' 5½"	15' 5"	19' 4¾"	20' 8"	21' 11¼"	26' 4¾"	27' ½"
16.38	9' 6½"	11' 5¼"	13' 5½"	16' 4¾"	17' 2½"	18' 8¾"	24' 3¼"	26' 7½"
20.48	8' 6¼"	10' 2"	11' 9½"	14' 5½"	15' 5"	16' 7½"	20' 11½"	22' 5½"
24.57	7' 6½"	9' 2½"	10' 5½"	12' 9½"	13' 7¾"	14' 7½"	18' 2½"	19' 4¼"
28.67	6' 6½"	8' 2¾"	9' 8½"	11' 9½"	12' 5½"	13' 5¾"	16' 6¾"	17' 4½"
32.77	6' ¾"	7' 2½"	8' 8¼"	10' 9¾"	11' 7¾"	12' 3½"	15' 1"	15' 7"
36.86	5' 2½"	6' 6½"	7' 10¾"	10"	11' 1¾"	11' 7¾"	13' 9¼"	13' 11¼"
40.96	4' 9"	5' 10¼"	7' 5½"	8' 8¼"	10' 4"	10' 11½"	13' 1½"	13' 5½"

External face profile

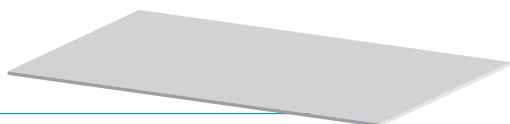
Box



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

Lenght	L ≤ 9' 10" ± ½" L > 9' 10" ± ¾"	Perpendicularity Deviation	¼"
Working Lenght	± 2 mm	Misalignment of the internal metal surfaces	± ⅛"
Thickness	D ≤ 4" ± ¼" 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.

