

Box / Striated / Flat

Wall Panel



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

ICCLP 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.

Benefits

- Suitable for controlled temperatures
- Gasket barrier to prevent vapor leaks
- High mechanical strength & 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 5/8" 2" 2 1/2" 3" 4" 5" 6" 8"

Exterior Face Prepainted steel

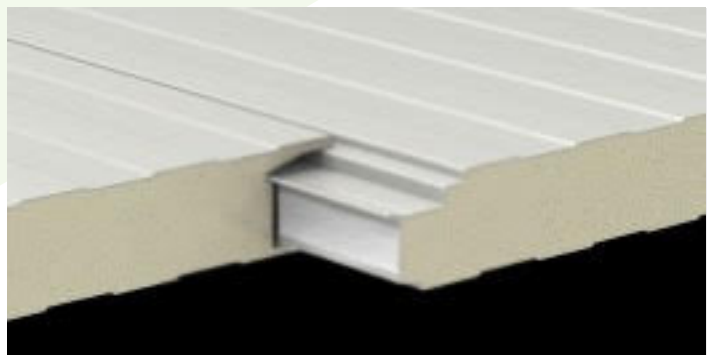
Interior Face: Shadowline profile

Foam Density: 2.49 LB/FT³

Exterior Finish: Polyester coating

Interior Finish: Polyester coating

Joint Type: Hidden



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Overload Wheelbase

Distance Between 2 Simple Supports											
Meters	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5
Feet	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'
Panel Thickness	Steel Sheets 24/24 (Ga) - PIR with 10% Safety Factor										
2"	54	42	33	27	22	18	15	13	11	9	8
2 1/2"	61	55	44	36	30	25	21	18	15	13	11
3"	61	61	55	46	38	32	27	23	20	17	15
4"	61	61	61	61	55	47	40	35	30	26	23
5"	61	61	61	61	61	61	54	47	41	36	32
6"	61	61	61	61	61	61	61	59	52	46	41
8"	61	61	61	61	61	61	61	61	61	61	61

Distance Multiple Supports											
Meters	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5
Feet	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'
Panel Thickness	Steel Sheets 24/24 (Ga) - PIR with 10% Safety Factor										
2"	57	45	37	31	26	22	19	16	14	12	11
2 1/2"	61	59	48	40	34	29	25	22	19	17	15
3"	61	61	59	50	43	37	32	28	25	22	19
4"	61	61	61	61	60	52	45	40	36	32	29
5"	61	61	61	61	61	56	51	46	43	39	36
6"	61	61	61	61	61	56	51	46	43	40	37
8"	61	61	61	61	61	57	51	47	43	40	37

Panel Weight

Panel Nominal Thickness (in)								
Steel thickness	1 5/8"	2"	2 1/2"	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

Dimensional Tolerance

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

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

Thermal Insulation

Panel Nominal Thickness (in)								
R	1 5/8"	2"	2 1/2"	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

External Face Profile

