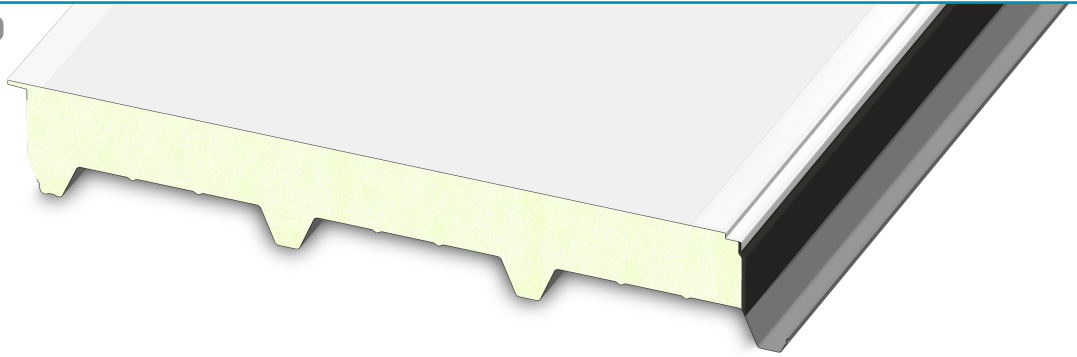


PVSteel / TPO



Features

This system is our isocop panel inverted to allow application of a PVC or TPO roofing system. The addition of being able to apply a single PLY membrane system to our polyiso panel is ideal for flat to very low roof slopes. Further, providing a waterproofed and aesthetically pleasing system in any location. The system is ideal for commercial and industrial applications.

Options

The panel is characterized by the presence of a special pvc-coated inner support that gives the panel excellent resistance to the action of aggressive agents present in the interior agro-zootechnical environments. With ribbed profile, designed for flat roofs.

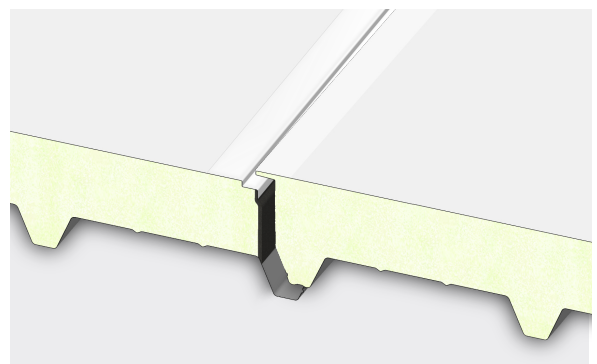
Benefits

- High resistance to atmospheric agents and U.V. rays.
- High mechanical strength
- High puncture resistance
- High water intrusion resistance
- High resistance to moderate chemical degradation
- Gasket barrier to prevent vapor leaks



Specifications

Standard Length:	Typical panel length is 8' up to a maximum of 26' (Subject to transportation limitations)
Width	39 3/8"
Joint:	Interconnecting male/female
Thickness:	2" 2 1/2" 3" 4" 5" 6" 8"
Exterior Face	Prepainted steel
Interior Face:	PVC Film
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.

PVSteel / TPO

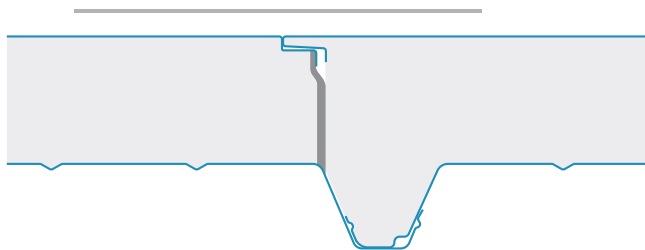
Overload Wheelbase Load Distribution / Max Spans ft/in

PSF	Panel Nominal Thickness (in/mm)						
	2"	2½"	3"	4"	5"	6"	8"
	50.8	63.5	76.2	101.6	127	152.4	203.2
Steel Sheets 26/20 (Ga) - Bearing 4½"							
12.29	13' 3¾"	15' 10⅞"	16' 10¾"	19' 8⅞"	21' 7¾"	23' 3½"	24' 7¼"
16.38	11' 9⅞"	13' 5¾"	15' 5"	17' 8½"	19' 2¼"	20' 10"	21' 3⅞"
20.48	10' 7⅞"	12' 7½"	14' 5⅞"	16' 2⅞"	17' 4⅞"	18' 4⅞"	20' ⅞"
24.57	9' 10"	11' 7¾"	13' 1⅞"	14' 9⅞"	16' ⅞"	17' 2⅞"	18' 4⅞"
30.72	8' 6¼"	10' 5⅞"	11' 3¾"	13' 1⅞"	13' 11¼"	15' 3"	17' 4⅞"
40.96	7' 2½"	8' 10¼"	10'	11' 5¾"	12' 5½"	13' 4⅞"	15' 1"
51.20	6' 4¾"	7' 4½"	8' ¾"	10'	11' 9⅞"	11' 8⅞"	14' 5⅞"
61.44	5' 6⅞"	6' 2¾"	6' 10⅞"	8' ¾"	8' 9½"	9' 6⅞"	10' 5⅞"

Overload Wheelbase Load Distribution / Max Spans ft/in

PSF	Panel Nominal Thickness (in)						
	2"	2½"	3"	4"	5"	6"	8"
Steel Sheets 26/20 (Ga) - Bearing 4½"							
12.29	14' 5⅞"	17' ⅞"	18' ½"	20' 10"	22' 9½"	24' 5¼"	25' 9"
16.38	12' 11½"	14' 7⅞"	16' 6¾"	18' 10⅞"	20' 4"	21' 11¼"	22' 5⅞"
20.48	11' 9⅞"	13' 9¼"	15' 1½"	17' 4⅞"	18' 6⅞"	19' 6¼"	21' 1⅞"
24.57	10' 11⅞"	12' 9½"	14' 3¼"	15' 10⅞"	17' 2⅞"	18' 4⅞"	19' 6¼"
30.72	9' 8⅞"	11' 7¾"	12' 5½"	14' 3¼"	15' 1"	16' 4¼"	18' 6⅞"
40.96	8' 8⅞"	10'	11' 1¾"	12' 7½"	13' 7⅞"	14' 6⅞"	16' 2⅞"
51.20	7' 6½"	8' 6¼"	9' 2⅞"	11' 1¾"	12' 11½"	12' 10⅞"	15' 7"
61.44	6' 8⅞"	7' 4½"	8' ¾"	9' 2⅞"	9' 11¼"	10' 7⅞"	11' 7¼"

Joint Section



Panel Weight

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

Thermal Insulation

R	Panel Nominal Thickness (in)						
	2"	2½"	3"	4"	5"	6"	8"
75° F Mean Temp (23.9 °C) According to ASTM C518							
m²K/W	2.48	3.10	3.72	4.96	6.20	7.44	9.92
H ft² F/Btu	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	2.77	3.46	4.16	5.54	6.93	8.32	11.09
H ft² F/Btu	15.75	19.69	23.62	31.50	39.37	47.24	62.99

Dimensional Tolerance

Length	L ≤ 9' 10" ± ⅛" L > 9' 10" ± ⅜"	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.

