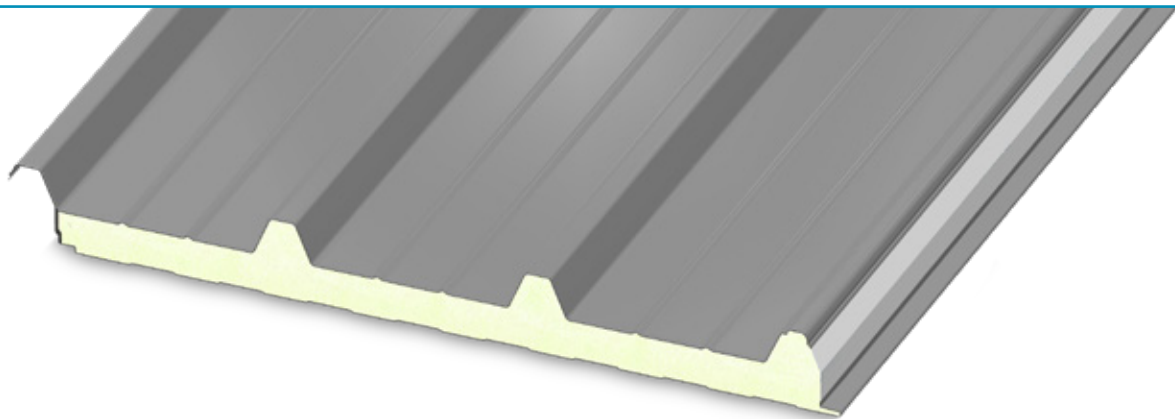


Roof Panel



Features

A double-steel sheet roof panel assembly insulated with polyisocyanurate rigid foam. This design caters to “low sloped” pitched roofs. Sheets have (4) trapezoidal rows on each panel to enhance static and dynamic forces. Panels have an exposed fastening system that includes saddle clips at each anchoring point. Systems applicable in design to incorporate within a multitude of roofing sub-structure assemblies.

Options

The panel is especially suited for use in industrial, warehouses, zootechnical, and residential construction. Versatility, load resistance and easy installation make Isocop a reliable solution for any kind of intervention, from new construction to roof refurbishing.

Benefits

- Rust resistance
- High mechanical strength
- Hygienic
- Easy wash material
- Mold and humidity resistance
- Gasket barrier to prevent vapor leaks



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

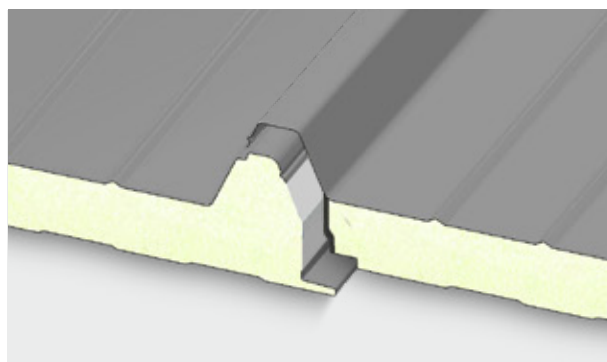
Interior Face: Shadowline profile

Foam Density: 2.49 LB/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.

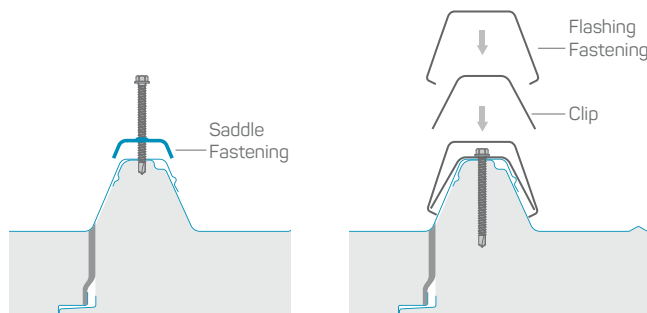
Overload Wheelbase Load Distribution / Max Spans ft/in

Panel Nominal Thickness (in/mm)									
PSF	1½"	2"	2½"	3"	4"	5"	6"	8"	
	38.1	50.8	63.5	76.2	101.6	127	152.4	203.2	
Steel Sheets 24/26 (Ga) - Bearing 4½"									
16.38	10' 5½"	12' 1½"	13' 5½"	16' 4¼"	18' 6¾"	19' 6¼"	20' 2½"	20' 10"	
20.48	9' 4½"	10' 9½"	12' 1½"	14' 7½"	16' 2½"	17' 4½"	18' ½"	18' 8¾"	
30.72	7' 6½"	8' 8¼"	9' 10"	11' 9¾"	13' 5¾"	14' 7½"	15' 5"	16' 2½"	
40.96	6' ¾"	7' ¾"	8' 4¾"	9' 8½"	11' 3¾"	12' 7½"	13' 7¾"	14' 7½"	
51.20	4' 11"	5' 10¾"	6' 8½"	8' 4¾"	9' 10"	10' 11½"	11' 9¾"	12' 7½"	
Steel Sheets 24/26 (Ga) - Bearing 4½"									
16.38	11' 3¼"	12' 11½"	13' 7¾"	17' ¾"	19' ¼"	20' 2½"	20' 10"	21' 5¼"	
20.48	10' 2"	11' 9¾"	12' 7½"	15' 3"	17' 2½"	18' 4¾"	19' 4¼"	20' ½"	
30.72	8' 5¾"	9' 10"	10' 5¾"	12' 11½"	14' 7½"	15' 8½"	16' 6¾"	17' 2½"	
40.96	6' 8¾"	8' ¾"	8' 8¼"	10' 7¾"	12' 5½"	13' 7¾"	14' 3¼"	14' 11½"	
51.20	5' 4¾"	6' 6¾"	7' 6½"	9' 4¾"	10' 9¾"	11' 11½"	12' 9½"	13' 7¾"	

Overload Wheelbase Load Distribution / Max Spans ft/in

Panel Nominal Thickness (in)									
PSF	1½"	2"	2½"	3"	4"	5"	6"	8"	
Steel Sheets 24/26 (Ga) - Bearing 4½"									
16.38	12' 3¾"	14' 3¼"	15' 8¾"	18' 8¾"	21' 3¾"	22' 7¾"	24' 1¼"	24' 11½"	
20.48	10' 11½"	12' 7½"	14' 5½"	17' 2½"	19' ¼"	20' 4"	21' 3¾"	22' 1¾"	
30.72	8' 10¼"	10' 4"	11' 9¾"	14' 1¼"	16' ¾"	17' 8½"	18' 8¾"	19' 6¼"	
40.96	7' 4½"	8' 8¼"	10' 2"	11' 5¼"	13' 9¼"	15' 5"	16' 8¼"	17' 8½"	
51.20	6' 2¾"	7' 6½"	8' 6¼"	10' 2"	12' 1½"	13' 7¾"	14' 9½"	15' 8¾"	
Steel Sheets 24/26 (Ga) - Bearing 4½"									
16.38	13' 1¾"	15' 1"	15' 10¾"	19' 4¼"	22' 1¾"	23' 9¾"	25' 1½"	26' 2¾"	
20.48	11' 9¾"	13' 7¾"	14' 11½"	17' 10½"	20' ½"	21' 3¾"	22' 3¾"	23' 3½"	
30.72	9' 10"	11' 7¾"	12' 5½"	15' 3"	17' 2½"	18' 8¾"	19' 8½"	20' 8"	
40.96	8' ¾"	9' 8¾"	10' 5¾"	12' 5½"	14' 11½"	16' ¾"	17' 6¾"	18' 8¾"	
51.20	6' 8¾"	8' 2¾"	9' 4¾"	11' 1¾"	13' 1¾"	14' 7½"	15' 8¾"	16' 10¼"	

Joint Section



Panel Weight

		Panel Nominal Thickness (in)							
Steel thickness		1½"	2"	2½"	3"	4"	5"	6"	8"
26/26	PSF	2.05	2.14	2.24	2.33	2.52	2.70	2.89	3.27
24/26	PSF	2.42	2.51	2.61	2.70	2.85	3.04	3.26	3.64
24/24	PSF	2.75	2.85	2.94	3.04	3.22	3.41	3.60	3.97
22/26	PSF	2.70	2.70	2.88	2.98	3.16	3.35	3.54	3.91

Thermal Insulation

		Panel Nominal Thickness (in)							
R		1½"	2"	2½"	3"	4"	5"	6"	8"
75° F Mean Temp (23.9 °C) According to ASTM C518									
m²K/W		1.86	2.48	3.10	3.72	4.96	6.20	7.44	9.92
H ft² F/Btu		10.56	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		2.08	2.77	3.46	4.16	5.54	6.93	8.32	11.09
H ft² F/Btu		11.81	15.75	19.69	23.62	31.50	39.37	47.24	62.99

Dimensional Tolerance

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

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.

Overlapping

D = 4" - 6" - 8" - 10"

