

INSULATED ROOF PANEL

Standing Seam Roof Profile

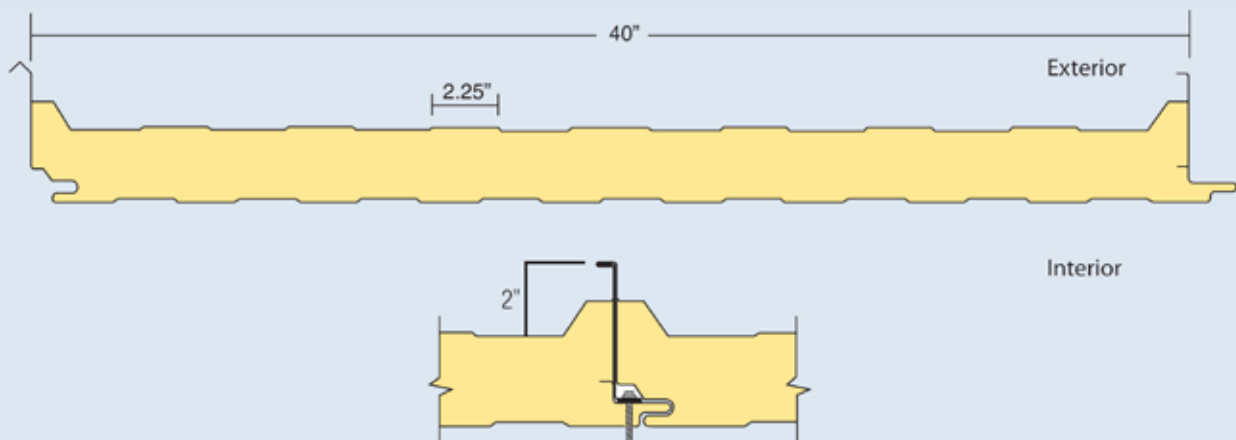
STANDING SEAM PROFILE

These mechanically seamed roof panels are an ideal solution where energy efficient standing seam roof panels are required. The unique design of this panel allows for 26 gauge exterior and interior skins, saving money and weight on a building.



FEATURES AND BENEFITS

- The panel's standing seam joint is self-aligning and allows for easy sealant application at the panel joinery.
- This panel arrives on site in one piece and requires one simple step installation reducing construction time and costs.
- Standard exterior and interior steel surface is 26 gauge.
- The standing seam joint is 180 degree field seamed.
- The exterior surface is smooth to minimize dirt build-up.

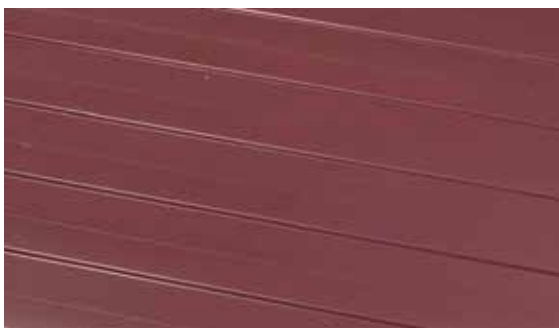


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Tests/Approvals

Thermal Resistance	ASTM C518
<i>Determines panel insulating properties</i>	
Air Leakage	ASTM E283
<i>Measures air leakage through panel joints</i>	
Water Penetration	ASTM E331
<i>Measures water penetration through panel joints</i>	
Fire Rating	FM 4880
<i>Class 1 Fire Rating approval for wall and ceiling</i>	
Structural	ASTM E72
<i>Panels withstand positive & negative wind loads</i>	



PRODUCT INFORMATION

Panel Thickness:	3.25"	4"	5"	6"
Insulating R-Values*:	26	32	42	50
Insulating U-Factors:	U0.038	U0.031	U0.024	U0.020
Panel Width:	40"			
Panel Length:	8'0" minimum to 56'0" maximum			
Insulation Material	Polyisocyanurate			
Joint Configuration:	180 Degree Field Seamed			
Exterior Gauge:	26 ga.			
Interior Gauge:	26 ga.			
Exterior Coating:	SmartKote® (PVDF)			
Interior Coating:	Polyester			
Exterior Finish:	Smooth - No Emboss			
Interior Finish:	Light Emboss - Plank Profile			
Accessories:	Fasteners, concealed fastener clip, sealants, trims and flashing			
Trim Finish:	Smooth			

*R Values are derived from thermal testing per ASTM C518 @ 40°F mean and ASTM C1363 @ 35°F mean. For project specific values, please contact your sales representative.

Insulated Standing Seam Roof Panel

ALLOWABLE LOAD FOR ALL WALL PANELS (PSF) BASED ON L/180 DEFLECTION

PANEL THICKNESS (IN)	PANEL WEIGHT (PSF)	SIMPLE SPAN (FT)									TWO OR MORE SPANS (FT)							
		SPANS (FT)									SPANS (FT)							
		5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	
2"	2.22	65	49	38	30	24	19	15	13	70	55	44	36	30	25	21	18	
2.5"	2.34	85	65	51	41	33	27	22	18	90	72	58	48	40	34	29	24	
3"	2.41	106	82	65	53	43	35	29	25	111	89	72	60	51	43	37	32	
4"	2.62	147	116	94	77	64	53	45	38	153	123	101	85	72	62	54	47	
5"	2.82	189	151	123	102	85	72	61	53	194	157	131	110	95	82	71	63	
6"	2.98	232	186	153	127	107	91	79	68	236	192	160	136	117	102	89	79	

- Notes:
- 1) Spans shown are based on transverse load testing of the panels per ASTM E-72. Thermal effect due to temperature differentials have not been considered.
 - 2) Loads shown do not include a check of the attachment to the supports. Attachment requirements will vary based on the project wind load requirements.
 - 3) Loads shown are based on panels with 26 gauge interior and exterior facings.