

INSULATED WALL PANEL

HEAVY EMBOSSED FLAT PROFILE

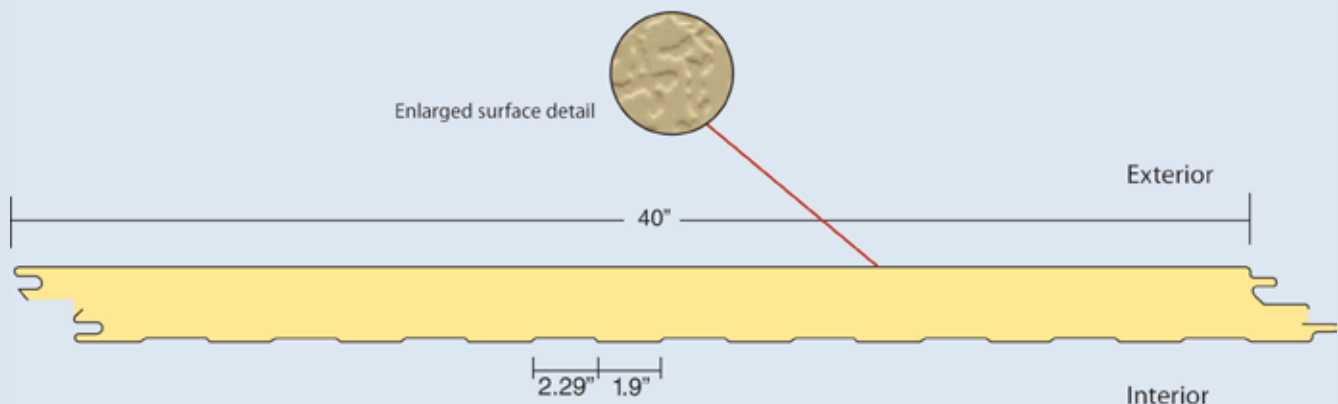
HEAVY EMBOSSED FLAT

Heavy Embossed Flat profile wall panels are ideal for commercial and industrial applications. The heavy emboss creates a subtle and pleasing effect. The wide panels install quickly and easily. Fasteners are concealed within the panel side joint and the attractive profile breaks up the flat expanse of metal on large projects such as manufacturing plants or warehouses.



FEATURES AND BENEFITS

- The double tongue and groove is self aligning, weather tight and allows for sealant application at either the interior or exterior side of the panel joinery, depending on the direction of the vapor drive.
- Hidden/concealed fasteners give the panel a clean, aesthetically appealing appearance.
- Removable film prevents damage to the exterior of the panel during shipping and installation.
- 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.



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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>Class1 Fire Rating approval for wall and ceiling</i>	
Structural	ASTM E72
<i>Panels withstand positive & negative wind loads</i>	



PRODUCT INFORMATION

Panel Thickness:	2" 2.5" 3" 4"
Insulating R-Values*:	16 20 24 32
Insulating U-Factors:	U0.061 U0.049 U0.041 U0.031
Panel Width:	40"
Panel Length:	8'0" minimum to 56'0" maximum
Application:	Vertical
Insulation Material:	Polyisocyanurate
Joint Configuration:	Off-set tongue and groove with concealed fastener
Standard Gauge:	Exterior 26 ga. (24 ga. Optional) Interior 26 ga.
Exterior Coating:	SmartKote® (PVDF)**
Interior Coating:	Polyester**
Exterior Finish:	Heavy Emboss
Interior Finish:	Light Emboss
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.

**When using field-applied coatings, always order Polyester.

INSULATED WALL PANELS

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.