

# Flush Panel

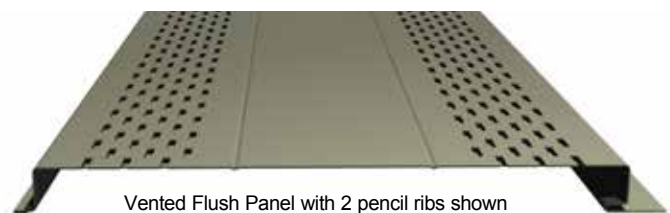
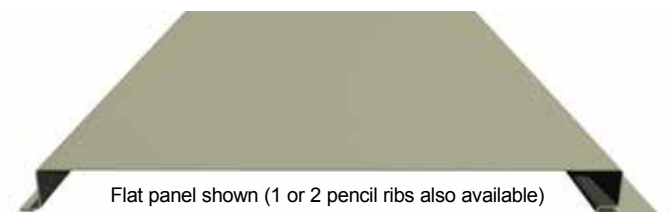
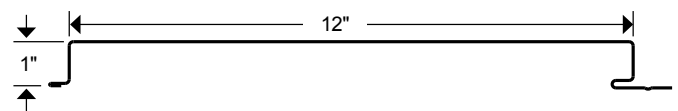


## CLEAN LINES FOR A DISTINCT DESIGN

*Flush Panel is a low profile, concealed fastener panel ideal for wall, soffit, fascia, and mechanical screen applications. Available in both flat and vented panels, Flush Panel provides a distinct design for any project.*

### Features and Benefits:

- Tested in accordance to ASTM E1592 and ASTM E283 & E331.
- Available in standard 24ga for soffit or fascia applications and 22ga for wall applications.
- Select from a variety of standard and premium finishes. Refer to AEP Span Color Charts for full range of color options and paint systems.
- 40 year Limited Warranty, including Vented Flush Panels.
- Available in flat, vented, and 1 or 2 pencil ribs. Vented panels can be used for exterior screen applications.
- Venting available with no additional lead times.
- Optional venting provides 7.8% open area (11.3 in<sup>2</sup>/ft<sup>2</sup> panel).
- Panel design allows for horizontal and vertical wall application, 22ga or heavier is required. (Inquire for heavier gauges)
- Sealant is not factory applied.



# Flush Panel

Properties									Standard Finishes	
Gauge	Base Steel Thickness (in)	Yield (ksi)	Tensile (ksi)	Wt. (lbs/ft <sup>2</sup> )	I+ (in <sup>4</sup> /ft)	S+ (in <sup>3</sup> /ft)	I- (in <sup>4</sup> /ft)	S- (in <sup>3</sup> /ft)	Metallic Coating	Paint System
24	0.0232	50	65	1.30	0.0344	0.0338	0.0379	0.0381	AZ50	Cool Dura Tech™ 5000 (polyvinylidene fluoride) or Dura Tech™ mx (metallic polyvinylidene)
22	0.0294	50	55	1.64	0.0448	0.0493	0.0494	0.0503	AZ50	

**NOTES:** The moments of inertia, I<sup>+</sup> and I<sup>-</sup>, presented for determining deflection are:  $(2I_{\text{Effective}} + I_{\text{Gross}})/3$

Gauge	Span	Cond.	Allowable Inward Loads (lbs/ft <sup>2</sup> ) per Span (ft.-in.)						
			2' - 0"	2' - 6"	3' - 0"	3' - 6"	4' - 0"	4' - 6"	5' - 0"
24	Single Span	ASD, W/Ω	168	108	75	55	42	33	27
		L/180	376	193	111	70	47	33	24
	Double Span	ASD, W/Ω	159	108	77	58	45	35	29
		L/180	906	464	269	169	113	80	58
	Triple Span	ASD, W/Ω	187	129	93	70	55	44	35
		L/180	710	363	210	132	89	62	45
22	Single Span	ASD, W/Ω	246	157	109	80	62	49	39
		L/180	489	250	145	91	61	43	31
	Double Span	ASD, W/Ω	208	141	101	76	59	47	38
		L/180	1178	603	349	220	147	103	75
	Triple Span	ASD, W/Ω	244	169	122	93	72	58	48
		L/180	923	473	273	172	115	81	59

Gauge	Allowable Outward Loads (lbs/ft <sup>2</sup> ) per Span (ft.-in.)						
	2' - 0"	2' - 6"	3' - 0"	3' - 6"	4' - 0"	4' - 6"	5' - 0"
24	66	60	55	49	43	38	32
22	112	101	89	78	67	55	44

Inward Loads	Single Span		<p><b>NOTES:</b></p> <p>The information in these tables applies to uniform loads only. The upper values, ASD (W/Ω) are based on allowable panel strength. L/180 values based on allowable service load deflections. Table values denoted by "-" indicate that capacities are limited by panel strength vs. deflection. Values are based on AISI S100-16/S1-18. Maximum allowable outward load capacities are shown and dependent upon fastener-to-substrate capacities. Specifications subject to change without notice.</p>
	Double Span		
	Triple Span		
Outward Loads			

**Oil Canning** : All flat metal surfaces can display waviness commonly referred to as "oil canning". "Oil canning" is an inherent characteristic of steel products, not a defect, and therefore is not a cause for panel rejection.