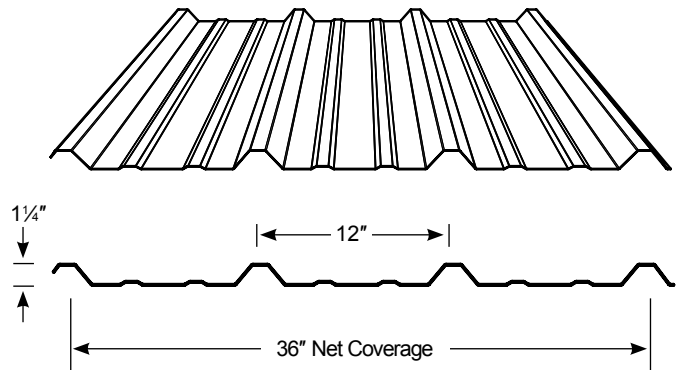


PBR PANEL is an economical, structural, exposed fastener roof or wall panel.

PBR PANEL is ideal for agricultural roofs and wall, post-frame, and pre-engineered metal buildings.



Properties									Standard Finishes	
Gauge	Base Steel Thickness (in)	Yield (ksi)	Tensile (ksi)	Wt. (lbs/ft ²)	I+ (in ⁴ /ft)	S+ (in ³ /ft)	I- (in ⁴ /ft)	S- (in ³ /ft)	Metallic Coating	Paint System
26	0.0173	80	82	0.92	0.0413	0.0377	0.0373	0.0457	AZ50	Cool Dura Tech® nt

NOTES: The moments of inertia, I⁺ and I⁻, presented for determining deflection are: $(2I_{Effective} + I_{Gross})/3$

Gauge	Span	Cond.	Allowable Inward Loads (lbs/ft ²) per Span (ft.-in.)										
			3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"
26	SS	f	100	74	56	45	36	30	25	21	18	16	14
		L/180	-	-	-	40	29	22	17	13	11	9	7
	DS	f	122	89	68	54	44	36	30	26	22	19	17
		L/180	-	-	-	-	-	-	-	-	-	-	17
	TS	f	152	112	86	68	55	45	38	32	28	24	21
		L/180	-	-	-	-	-	-	37	29	23	19	16

standard features

- Custom manufactured sheet lengths from 5'-0" to 45'-0."
- Available in 8 standard standard Dura Tech® nt finishes and in ZINCALUME® Plus.
- ZINCALUME coated substrate, per ASTM A792, is standard and backed by a limited corrosion warranty on painted or unpainted panels excluding sustained exposure to animal and animal waste.
- Galvanized G90 coated substrate, per ASTM A653. Ideal for animal confinement available in Galvanized G90 Plus and Winter White only.
- Meets requirements for wall and roof panels in accordance with IBC chapters 14 & 15, and IRC chapters 7 & 9 respectively.
- All standard colors meet a minimum SRI of 29 and one color, Winter White has a SRI of 85.

NOTES:

- Top values based on allowable stress. Bottom values based on allowable deflection of L/180.
- "-" denotes that the allowable load is limited by the allowable flexural bending stress.
- Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (ZINCALUME) structural steel.
- Tabulated values are for positive (Inward) loading only.
- Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (2007 Edition).

Specifications subject to change without notice.

optional features

- Short cut sheets from 5'-0" to 1'-0". Additional fees and lead times may apply.
- Custom colors, thick film primer and/or clear coat paint finishes available. Subject to 4,500 square feet minimum order.

LOADING TABLE LEGEND

f - Load limited by flexural bending stress
 L - Span (Inches)
 L/180 - Load limited by a deflection of 1/180 of the span
 w - Distributed load

Inward Loads	SS-Single span	
	DS-Double span	
	TS-Triple span	

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.

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