



# PBR Panel

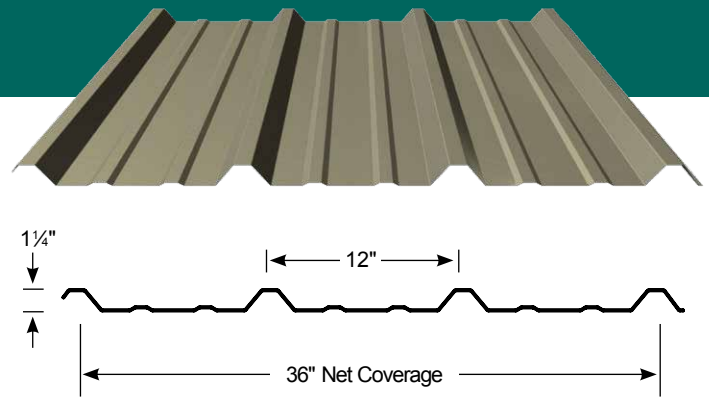


# PBR Panel

*PBR is ideal for pre-engineered metal, post-frame, and agricultural buildings. Our Galvanized G90 PBR is also ideal for use in buildings for livestock and animal confinement.*

### FEATURES AND BENEFITS

- 36" net panel coverage can be installed over solid substrates or spaced support members.
- Purlin-bearing leg speeds installation and improves the quality of panel side laps providing a consistent weather-resistant joint.
- Provides traditional metal roof or wall appearance with 1¼" high trapezoidal major ribs at 12" on center with minor ribs between each major rib.
- Trim packages available in the same gauge and color as the roof and wall panel.
- PBR panel can be installed on pitches as low as 1:12 with field applied mastic.
- Polycarbonate Skylight panels are available in matching profile, inquire for slopes less than 1:12.



### PANEL OVERVIEW

- Available in 8 Dura Tech™ nt colors and ZINCALUME® Plus.
- ZINCALUME coated substrate, per ASTM A792, is standard and backed by a limited corrosion warranty on painted or unpainted panels. It is not recommended for use in structures where exposure to animals and/or animal waste will occur.
- Galvanized G90 coated substrate, per ASTM653, is ideal for animal confinement and is available in Galvanized G90 Plus and Winter White only.
- Building Code Approval Report: #ER-0550



# PBR Panel



## Cool DURA TECH *nt*



**REPRESENTATION OF COLORS MAY VARY DUE TO PRINTING LIMITATIONS.** Sample color chips are available upon request. Consult your ASC Building Products representative for more information.

The **Dura Tech™ nt** system combines the protection of ZINCALUME® with a highly durable **COOL** Resin technology to reduce the demand for energy and provide excellent color retention.

### PAINT FINISH NOTES

All PBR Panels are available in our 8 standard, 26 gauge, Dura Tech *nt* colors, as well as ZINCALUME Plus and Galvanized G90 Plus. Inquire with a sales representative for lead times and more information.

### AVAILABILITY

PBR Panel is available out of Sacramento, CA and Spokane, WA. Additional lead times apply on products supplied from a non-local facility.

### FLASHINGS & TRIM

All trims and flashings are offered in our 8 standard, 26 gauge, Dura Tech *nt* colors, as well as ZINCALUME Plus and Galvanized G90 Plus. Inquire with a sales representative for more information.

### 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.

### LOAD TABLE

Gauge	Span	Cond.	Positive (Inward) Uniform Load Capacity (lbs/ft²) / Span (ft.-in.)								
			2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
26	Single Span	ASD, W/Ω	240	153	107	78	60	38	27	20	15
		L/180	-	-	-	-	-	32	19	12	8
	Double Span	ASD, W/Ω	252	166	117	86	66	43	29	21	17
		L/180	-	-	-	-	-	-	-	-	-
	Triple Span	ASD, W/Ω	307	203	144	107	82	53	38	27	21
		L/180	-	-	-	-	-	-	35	22	15

#### NOTES:

Top values based on allowable stress (ASD). Bottom values based on a deflection limit of L/180.

"-" denotes that the allowable load is limited by the panel stress vs. deflection limit.

Steel conforms to ASTM A653 (Galvanized) or ASTM A792 (ZINCALUME) structural steel.

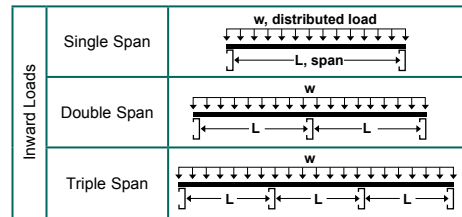
Tabulated values are for positive (inward) uniform loading only.

Values are based on the American Iron and Steel Institute "Cold Formed Steel Design Manual" (AISI S100-12).

Refer to ascbp.com for more complete PBR Panel performance data.

Gauge	Base Steel Thickness (in)	Yield (ksi)	Tensile (ksi)	Wt. (lbs/ft²)	Properties			
					I+ (in⁴/ft)	S+ (in³/ft)	I- (in⁴/ft)	S- (in³/ft)
26	0.0173	80	82	0.85	0.0463	0.0400	0.0394	0.0457

NOTES: The moments of inertia, I+ and I-, presented for determining deflection are: (2IEffective + IGross)/3



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### Five lasting advantages of steel . . .

- Outstanding Value
- Reduced Energy Costs
- Long-Term Protection
- Non-Combustible
- Low Maintenance

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