

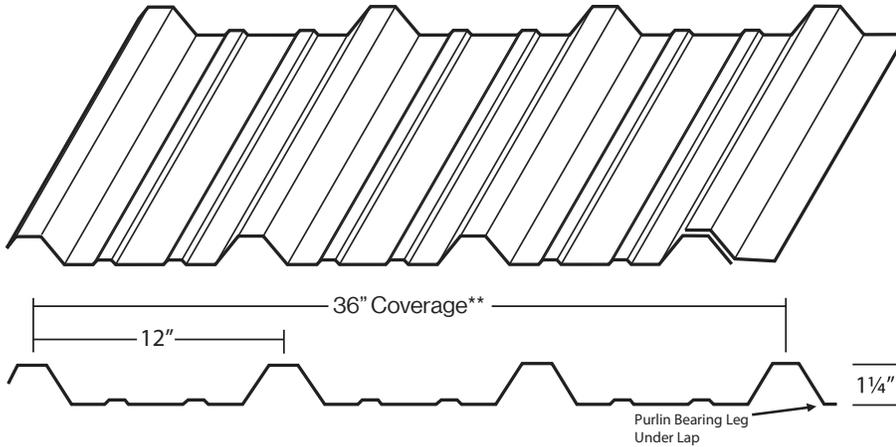
ProtectorX Series / PBR PlusX™ Panel (Purlin Bearing Rib)

Product Highlights

PBR PlusX™ (Purlin Bearing Rib) Structural Panels are one of the toughest and most economical commercial panels available. PBR PlusX™ Panels were designed for low pitched roofing (as low as 1/2:12 pitch – using proper butyl caulk Sealant) to steep pitched roofing. PBR PlusX™ Metal Roofing & Siding panel can span open purlins up to 72” or be installed on a solid substrate. PBR PlusX™ Panels are ideal for Agricultural and Commercial Building Projects of all types, including but not limited to: Roofing, Walls, Pole Barns, Shops, Barns, Steel Buildings, Interior Wall Panels and Fencing. Our standard color offering uses Grade 80 High Tensile Steel for extreme strength and has a Galvalume® substrate and SMP (Silicone Modified Polyester) paint with an available 40 Year Limited Warranty.

Materials Available

- 26ga, 24ga, 22ga
- 0.032", 0.040" Aluminum
- 16oz, 20oz Architectural Copper (Many Varieties)
- Polycarbonate
- WeatherXL™ SMP by Sherwin-Williams® (Silicone Modified Polyester)
- Durapon70® by Dura Coat Products PVDF (Kynar 500® or Hylar 5000®)
- Ceramel™ XT-40S SMP by Dura Coat Products (Silicone Modified Polyester)
- Fluropon® by Sherwin-Williams® PVDF (Kynar 500® or Hylar 5000®)
- Textured / Crinkle (Rawhide)
- Vintage®
- Western Rust
- Rustic Rawhide
- Cor-Ten AZP® Raw
- Copper-Ten® Raw
- Galv-Ten® Raw
- Galvalume® (Acrylic Coating)
- Galvanized
- Electro-Galvanized
- Galvannealed
- Bonderized Weathering Steel
- ReziBond® Weathering Steel
- Cold Rolled Weathering Steel
- A606-4 (Corten) Weathering Steel
- Hammered Copper
- Stainless Steel
- Perforated
- (See Color Guide(s) for Many More Options)



Product Specifications

Applications:	Roofing, Wall, Soffit, Fascia, Ceiling, Interior	Coatings:	WeatherXL™ SMP by Sherwin-Williams® (Silicone Modified Polyester) Durapon70® by Dura Coat Products PVDF (Kynar 500® or Hylar 5000®) Ceramel™ XT-40S SMP by Dura Coat Products (Silicone Modified Polyester) Fluropon® by Sherwin-Williams® PVDF (Kynar 500® or Hylar 5000®) Fluropon® by Sherwin-Williams® PVDF 3 Coat (Kynar 500® or Hylar 5000®) Super Dynapon® by Sherwin-Williams® (ceramic pigment polyester coating) AZ55 Galvalume® Plus with Acrylic Coating
Coverage:	36" Coverage**	Substrate:	AZ50 Galvalume® Grade E (yield strength of 80,000 psi) AZ50 Galvalume® Grade D (yield strength of 50,000 psi) G90 Galvanized Grade D (yield strength of 50,000 psi) (optional) AZ55 Galvalume® G60, G100 Galvanized
Rib Heights:	1 1/4" on 12" Centers	Fielding Conditions:	Oil Canning is inherent in all light gauge metal products & is not a cause for rejection. Visit www.briggssteel.com/oilcanning for more information.
Fastening System:	Exposed Fastening	Accessories:	Trim, Custom Trim, Fasteners, Sealant, Closures, Venting, Pipe Flashings, Underlayment, Snow Retention, Polycarbonate Panels, Many Tools.
Length(s):	Maximum Length of 63' 0" Minimum Length of 3' 0"	More Details:	For more information about this profile, please visit www.BriggsSteel.com
Minimum Slope:	1/2:12 Pitch with butyl tape sealant (recommended self-adhered underlayment covering entire substrate) 3:12 Pitch or greater (optional: recommended butyl tape sealant)		
Substrate Install:	Solid or Open Purlin System		
Thickness:	26ga High Quality High Tensile Steel Grade E (yield strength of 80,000 psi) 24ga, 22ga High Quality Steel Grade D (yield strength of 50,000 psi) (optional) .032, .040 Aluminum		

For more load table information, please contact Briggs Steel sales representative.

Live Load (PSF)	36"	48"	60"	72"	84"	96"
2 or More Spans	104	70	46	32	23	18
3 or More Spans	120	86	56	35	22	14

*Based on 29ga Grade E Steel (yield strength of 80,000 psi)

Testing

- Meets Requirements for:
- UL 580 Class 90 Uplift Resistance
- UL 2218 Class 4 Impact Resistance
- UL 263 & UL 790 Class A Fire Resistance

For more testing information please visit www.briggssteel.com/resources/testing

Typical Fastener Spacing

- 24" on center (typical solid substrate)
- Up to 60" on Center (see load table)

*The above diagrams are the typical fastener pattern based on the live load table. However pattern & spacing may not be appropriate for all applications. Consult local building codes and/or professional engineer for alternative use.

