

# Exposed Fastening System

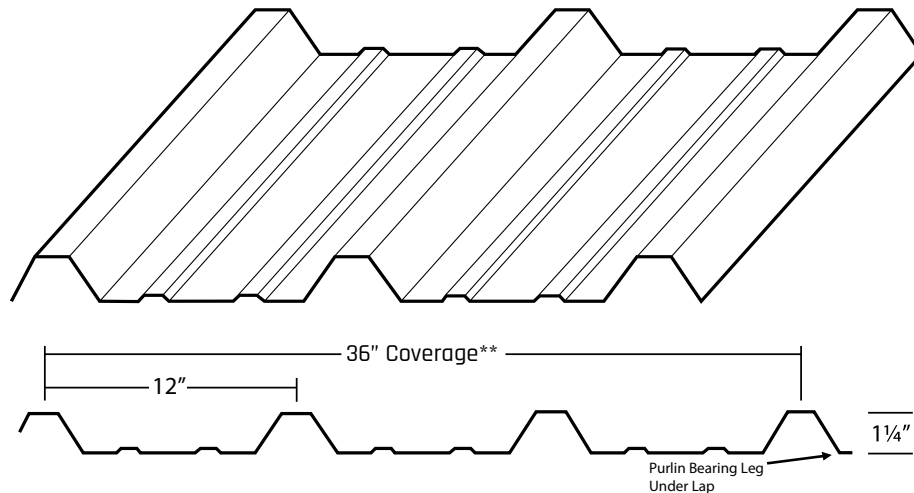
## Technical Sheet



### 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®)
- Ceraname!™ 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

<b>Applications:</b>	Roofing, Wall, Soffit, Fascia, Ceiling, Interior
<b>Coverage:</b>	36" Coverage**
<b>Rib Height:</b>	1/4" on 12" Centers
<b>Fastening System:</b>	Exposed Fastening
<b>Length(s):</b>	Maximum Length of 63' 0" Minimum Length of 3' 0"
<b>Minimum Slope:</b>	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)
<b>Substrate Install:</b>	Solid or Open Purlin System
<b>Thickness:</b>	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

- Coatings:** WeatherXL™ SMP by Sherwin-Williams® (Silicone Modified Polyester)  
Durapon70® by Dura Coat Products PVDF (Kynar 500® or Hylar 5000®)  
Ceraname!™ 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
- 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
- Field Conditions:** Oil Canning is inherent in all light gauge metal products & is not a cause for rejection. Visit [www.briggssteel.com/oilcanning](http://www.briggssteel.com/oilcanning) for more information.
- Accessories:** Trim, Custom Trim, Fasteners, Sealant, Closures, Venting, Pipe Flashings, Underlayment, Snow Retention, Polycarbonate Panels, Many Tools.
- More Details:** For more information about this profile, please visit [www.BriggsSteel.com](http://www.BriggsSteel.com)

Note: For standard color selection, consult the current Briggs Steel Color Selection Guides. Custom colors are available upon request.  
\*\*Actual coverage may vary slightly due to the characteristics of the steel.

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

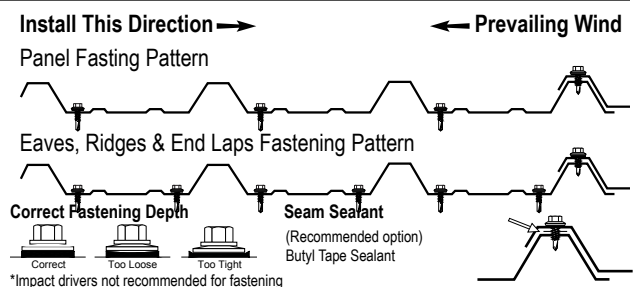
- Meets Requirements for:
- UL 580 Class 90 Uplift Resistance
- UL 2218 Class 4 Impact Resistance
- UL 263 & UL 790 Class A Fire Resistance

For more testing information please visit [www.briggssteel.com/resources/testing](http://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.



[www.BriggsSteel.com](http://www.BriggsSteel.com)

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