



# Thompson Architectural Metals

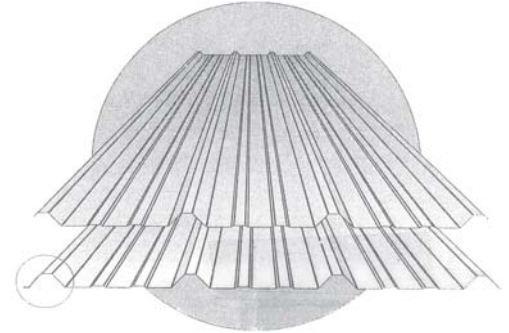
(813) 248-3456  
(800) 248-3456  
Fax (813) 247-4616

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

PBR METAL ROOFING COMPONENTS

## PBR and R - PANEL

- COMMERCIAL / INDUSTRIAL
- ARCHITECTURAL
- AGRICULTURAL - POST-FRAME
- RESIDENTIAL
- GARAGES, PORCHES . . .



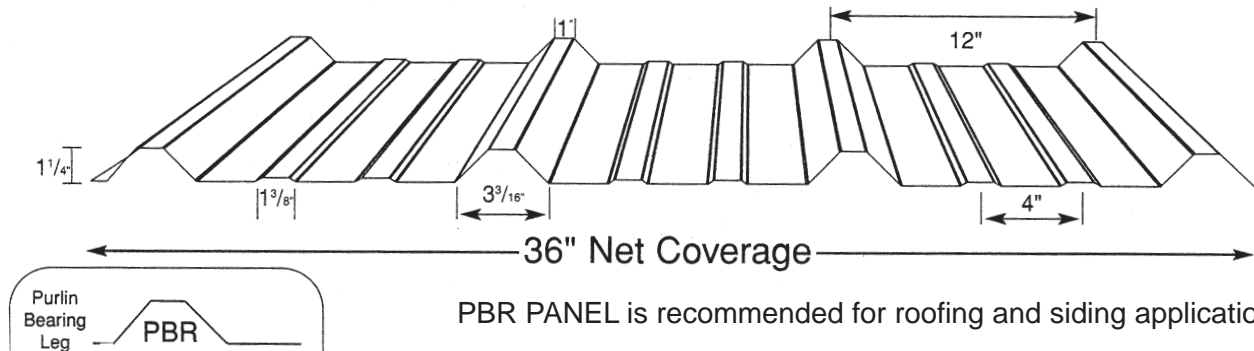
### SPECIFICATIONS:

PBR PANEL is recommended for siding and roofing. Roof pitch requirements is 1/12 or greater.

GAUGE	FINISHES	THICKNESS	ASTM & GRADE SPECIFICATIONS
26	**PTD Galvalume	.0185	ASTM-A-792 AZ50 Grade 50
26	Acrylic Galvalume	.0185	ASTM-A-792 AZ55 Grade 50

OFFERS A LIMITED 40 YEAR WARRANTY ON PAINTED GALVALUME PANELS AND A LIMITED 25 YEAR WARRANTY ON MILL FINISHED GALVALUME PANELS. CONSULT YOUR DISTRIBUTOR ON REQUESTING WARRANTY.

## PBR PANEL



Thompson Architectural Metal Roofing is proud to be a partner of the Energy Star Roof Products Program

### SINGLE SOURCE SERVICE

Take Offs and Site Specific Engineering are available.  
Contact your local distributor for details.  
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## PBR PANEL INSTALLATION GUIDE

SIDE LAP DETAIL	PBR PANEL FASTENING RECOMMENDATIONS
<p><b>DETAIL A</b></p>	<p><b>DETAIL B</b> Field attachment with 1" self-driller and 7/8" stitch screw or 1 1/2" wood fast and 3/4" stitch screw.</p> <p><b>DETAIL C</b> (Eaves, ridges, endlaps) Attach with wood or metal fastener.</p>

PBR Panel can be used for a variety of different applications. Due to its design, it is a roofing and siding profile. When being used as a siding application, please refer to Detail C for fastening. As the height on the sidewall may change the on-center attachment recommended, please consult load chart on page 1.

**Special Residential Note:** In residential applications, TAMCO recommends the use of a solid deck and 30# felt. This recommendation is made to help eliminate condensation issues. 1" x 3" yellow pine batten strips are optional and must be attached 12" on center with a #8 x 3" screw 8" on center. Attaching the batten strips with a nail will substantially reduce the pullout or uplift value. The minimum pitch allowed with this panel is 1/12. The vertical attachment should be 16".

Commercial and agricultural applications designed over open framing can span up to 4' purlins, depending on the engineering of the framing. Please refer to the load chart on page 1. PRB, though structural, is not sound to walk over open purlins. Please use extreme caution and provide fall protection.

CORRECT	TOO LOOSE	TOO TIGHT	<p align="center"><b>ENGINEERING CONSIDERATIONS</b></p> <p>Code requirements vary from area to area and job type as well as roof configuration. Job specific engineering is available for a nominal fee by a structural engineer. The engineering is not a service provided by TAMCO. and we accept no liability as to contracted work between parties. Please consult your local building code for proper procedures so we may assist you with your application.</p>
<p>EDPM MATERIAL VISIBLE AT WASHER. FASTENER IS PROPERLY INSTALLED</p>	<p>EDPM NOT AT VISIBLE JOINT. NOT ENOUGH COMPRESSION TO MAKE A SEAL</p>	<p>EDPM IS PANNED AND IS PROTRUDING BEYOND EDGE OF FASTENER</p>	

TM-PBR PANEL AVAILABLE IN 26 GAUGE PAINTED AND 26 & 29 GAUGE ACRYLIC GALVALUME

Thompson White • Black • Grey • Beige • Marine Green • Lightstone • Country Red • Island Blue • Forest Green • Brown • Bone White  
Premium Colors: Dark Bronze • Copper Penny • Patina Green



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### ROOF APPLICATION:

**Step 1:** Make sure the deck is level and square.

**Step 2:** Install Eave Drips/Roof Edge and Valleys according to details. Remember to use inside closure strips between Eave and Panel to eliminate water infiltration. Trim should be fastened 9" on center.

**Step 3:** Panel placement should begin on the Gable End opposite of the prevailing wind. Starter Edge should be on the Lap Edge. (Opposite of Purlin Bearing Leg) after lying first panel check for squareness panel 2 should be lapped over Purlin Bearing Leg of panel 1 with the Lap Edge. A minimum 1" overhang is recommended at the Eave. Alternative method of panel placement may begin in the center of the roof. Often this method is used when the area covered is not divisible by 3" or traditional placement allows for a Pipe Flashing to occur at a Side Lap. Endlaps must be a minimum of 12" and two strips of Butyl Sealant is recommended 8" on uphill side of lap to keep watertight.

**Step 4:** Fasten panel according to Detail C or D, depending on the area of application. Detail D shows additional screws to be spaced on each side of major Ribs for all Eaves, Ridges and Endlaps. When used as a siding panel, attach per Detail C.

**Step 5:** Any field cutting must be done with metal nibblers, metal snips or blades designed for metal cutting. No cutting should be done on the roof as it will cause iron shavings to be spread and adhere to roof panels. Proper cutting should be done exposed panel finished side down.

**Step 6:** Install the remaining accessories, such as Pipe Boots, PBR Profile Vent, Ridge Cap and Gable Flashing. Butyl Sealant, Caulking and Closures are necessary to maintain watertight seals as is the Butyl Tape on all seams. Inspect screw fasteners to insure that they are installed properly. (See Detail D).

**Step 7:** Field clean the roof surface with broom to be sure any iron shavings are removed.

**PITCH ALERT!!! PBR PANEL REQUIRES A MINIMUM 1/12 PITCH TO MAINTAIN WATER DRAINAGE. THIS PRODUCT IS CONSIDERED STRUCTURAL, HOWEVER IT IS NOT SAFE TO WALK ON OVER OPEN PURLINS OR BATTENS.**

**ATTENTION INSTALLER:** When using fasteners to penetrate steel sheets the iron particles tend to go airborne and settle on the sheet. It is necessary to remove these particles to prevent embedment and rust marks

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