

POLYMAC ARCHITECTURAL PANELS
MAC METAL ARCHITECTURAL

Polymac

SKU: MAC-PM

GAUGE

1" depth (25.4 mm)

WIND

In progress (ASTM
D5206-06A)

WARRANTY

40-Year Limited Warranty

COLOURS

19 available

PROFILES

Polymac Panel

Polymac by MAC Metal Architectural answers the demand for contemporary, large-format cladding with a hidden-fastener panel system that leaves no visible screws or joints on the facade. Available in four sizes from 12x48" to 20x72", Polymac panels clip into transition moldings for a seamless, architectural appearance across Wood Grain, Metallic, and Solid colour collections. The 24-gauge pre-painted galvanized steel construction, paired with a TEXTURAL III & IV matte finish, delivers durability and modern visual depth with a 40-year warranty.

Key Features

- No visible screws or joints — hidden-fastener railless system
- Pre-formed corner panels available (12" and 20")
- TEXTURAL III & IV matte paint finish
- Vented soffit option — 4.594 sq.in./LF (12" panels)
- 86% recycled content, 100% recyclable
- 4 panel sizes: 12x48, 12x72, 20x48, 20x72
- 19 colours: 6 wood-grain + 7 metallic + 6 solid
- 24 gauge pre-painted galvanized steel
- 40-year limited warranty on paint & finish
- Class A fire rating without foam backing (ASTM E84)

Available Colours

WOOD COLLECTION

6 colours



METALLIC COLLECTION

7 colours



SOLID COLLECTION

6 colours



Profiles & Specifications

PM-12x48

Panel 12 x 48

Standard Polymac panel — 12" covered height, 48" length. 8 panels per box, 32 sq.ft. coverage.



Length	48" (1219.2 mm)
Height / Width	12" coverage (304.8 mm)
Thickness	1" depth (25.4 mm)
Panel Weight	4.25 lbs/panel (1.93 kg) · 48 lbs/box
Panels / Box	8 panels/box
Coverage	32 sq.ft./box (3.0 m ²)
Wind Resistance	In progress (ASTM D5206-06A)
Installation	Horizontal only — panels installed in vertical columns, 16" o.c. screwing on 45° furring
Backing	Wood furring 1"x3" at 45° angle, 12" c/c Metal Z-bar furring 18g or 20g at 45° angle

* Vented version available: 4.594 sq.in. of ventilation per linear foot (12" panels without foam only).

PM-12x72

Panel 12 x 72

Long Polymac panel — 12" covered height, 72" length. 8 panels per box, 48 sq.ft. coverage.



Length	72" (1828.8 mm)
Height / Width	12" coverage (304.8 mm)
Thickness	1" depth (25.4 mm)
Panel Weight	6.36 lbs/panel (2.89 kg) · 68 lbs/box
Panels / Box	8 panels/box
Coverage	48 sq.ft./box (4.46 m ²)
Wind Resistance	In progress (ASTM D5206-06A)
Installation	Horizontal only — transition moldings every 72"
Backing	Wood furring 1"x3" at 45° angle, 12" c/c Metal Z-bar furring 18g or 20g

* Transition moldings (M15P) spaced at 72" intervals for this panel length.

PM-20x48

Panel 20 x 48

Wide Polymac panel — 20" covered height, 48" length. 8 panels per box, 53.33 sq.ft. coverage.



Length	48" (1219.2 mm)
Height / Width	20" coverage (508 mm)
Thickness	1" depth (25.4 mm)
Panel Weight	6.36 lbs/panel (2.89 kg) · 70 lbs/box
Panels / Box	8 panels/box
Coverage	53.33 sq.ft./box (4.96 m ²)
Wind Resistance	In progress (ASTM D5206-06A)
Installation	Horizontal only — transition moldings every 48"
Backing	Wood furring 1"x3" at 45° angle, 12" c/c Metal Z-bar furring 18g or 20g

* 20" exposure creates a bold, wide-plank architectural look.

PM-20x72

Panel 20 x 72

Large Polymac panel — 20" covered height, 72" length. 8 panels per box, 80 sq.ft. coverage.



Length	72" (1828.8 mm)
Height / Width	20" coverage (508 mm)
Thickness	1" depth (25.4 mm)
Panel Weight	9.54 lbs/panel (4.34 kg) · 100 lbs/box
Panels / Box	8 panels/box
Coverage	80 sq.ft./box (7.44 m ²)
Wind Resistance	In progress (ASTM D5206-06A)
Installation	Horizontal only — transition moldings every 72"
Backing	Wood furring 1"x3" at 45° angle, 12" c/c Metal Z-bar furring 18g or 20g

* Highest coverage per panel — ideal for large facades with minimal joints.

PM-CORNER12

Corner Panel 12"

Pre-formed corner panel for 12" Polymac. 12" standard length, 4 panels per box, 8 sq.ft. coverage.



Length	12" (304.8 mm)
Height / Width	12" coverage (304.8 mm)
Thickness	1" depth (25.4 mm)
Panel Weight	2.12 lbs/panel (0.96 kg) · 12.5 lbs/box
Panels / Box	4 panels/box
Coverage	8 sq.ft./box (0.75 m ²)
Wind Resistance	In progress
Installation	Horizontal — installed at outside corners to maintain continuous no-screw look
Backing	Same furring as field panels

* Eliminates need for field-bent corners. Available in all 19 Polymac colours.

PM-CORNER20

Corner Panel 20"

Pre-formed corner panel for 20" Polymac. 12" standard length, 4 panels per box, 13.33 sq.ft. coverage.



Length	12" (304.8 mm)
Height / Width	20" coverage (508 mm)
Thickness	1" depth (25.4 mm)
Panel Weight	3.18 lbs/panel (1.45 kg) · 19 lbs/box
Panels / Box	4 panels/box
Coverage	13.33 sq.ft./box (1.25 m ²)
Wind Resistance	In progress
Installation	Horizontal — installed at outside corners to maintain continuous no-screw look
Backing	Same furring as field panels

* Matches 20" field panels exactly. Available in all 19 Polymac colours.

Certifications & Testing Standards

Polymac meets or exceeds the following Canadian and international performance standards.

<ul style="list-style-type: none"> ● CAN/ULC-S135 — Fire Resistance, Non-Combustible Construction (without foam backing) — Canada
<ul style="list-style-type: none"> ● ASTM E84 — Class A Fire Resistance (without foam backing) — USA
<ul style="list-style-type: none"> ● NFPA — 0 Flammability Hazard Rating
<ul style="list-style-type: none"> ● ASTM E2768 — Non-Combustible Construction for Wildland Urban Interface (WUI) in California (without foam backing)
<ul style="list-style-type: none"> ● W.U.I. Wildland Urban Interface Accreditation — Registration 8140-2358-0500 (without foam backing)
<ul style="list-style-type: none"> ● ASTM E283 — Air Leakage of Wall Assembly: Compliant
<ul style="list-style-type: none"> ● ASTM B-117 2000h — Corrosion Resistance Standard for MAC Screws
<ul style="list-style-type: none"> ● 40-Year Limited Warranty — Paint Defects, Discoloration & Chalking
<ul style="list-style-type: none"> ● LEED Recyclable — 86% Recycled Content; 100% Recyclable at End of Life

Compatible Accessories

<p>Starting Strip M10G · 10' (3048 mm) — installed as invisible clip at wall base; must be perfectly level</p>	<p>U Trim (Transition / Fastening Trim) M15P · 7/8" wide x 5/8" leg · 10' (3048 mm) — primary fastening trim; panels clip into it</p>	<p>J Trim M01G · 10' (3048 mm) — used at window frames, wall ends & openings</p>
<p>Inside Corner M22G · 10' (3048 mm)</p>	<p>Drip Flashing M50G · 3.5" x 1/2" leg · 10' length</p>	<p>L Trim M14G · 3/4" x 1-3/16" x 3-9/16" · 10' (3048 mm)</p>
<p>Extended Drip Flashing M56G · with variable dimension · 10' length</p>	<p>MAC High-End Century K-LATCH Screw A058.250 · 1-1/4" — ASTM B-117 2000h rated</p>	<p>MAC Self-Drilling K-LATCH Screw A053.250 · 1-1/4" (also 2-1/2" for thicker substrates) — ASTM B-117 2000h rated</p>

Installation Guide

- 1 Polymac is a horizontal-only panel system. Panels are installed in vertical columns (left to right), with each column completed before moving to the next. Installation proceeds bottom to top within each column.
- 2 Install furring at a 45° angle every 12" c/c — this gives 16" c/c for screwing. Use wood furring 1"x3" or metal Z-bar furring (18g or 20g). All furring must be level horizontally and vertically.
- 3 Wood Collection panels come in multiple plank variations (numbered on the back). Install in random order to avoid a wallpaper effect — never repeat the same sequence.
- 4 Do NOT install over ZIP System Insulated R-Sheathing or similar dual-composite panels — insufficient rigidity causes movement, deformation, and oil canning.
- 5 Install Starting Strip (M10G) 3" above the base of the wall. Secure with one screw first, verify level, then fasten fully. A level starting strip is critical — it guides the entire installation.
- 6 Install transition moldings (M15P U-Trim) starting 11" from the outside corner of the building. Space subsequent moldings at 48" intervals for 48"-long panels, or 72" intervals for 72"-long panels.
- 7 Insert each panel into the starting strip and transition moldings, then secure with screws on the furring. Use the plastic spacers provided by MAC for the first column — they set the spacing reference for all subsequent rows.
- 8 Fasten screws with moderate contact only — do not overtighten. Screws must not exert upward or downward pressure on the panel; Polymac panels are designed to accommodate thermal expansion.
- 9 For a vertical cut that will be visible (not hidden in J-Trim): cut the panel with steel shears, remove 1.5" of foam at the cut edge, then use the MAC manual folding tool to recreate the factory fold.
- 10 For a horizontal cut at the top of the wall: take the measurement to the roof truss, subtract 1/2" for the expansion gap, then cut and install J-Trim (M01G) over the top edge.
- 11 For high-rise or wind-exposed buildings: apply MAC sealant inside the female part of the U-Trim in 1/2" x 1" strokes every 24" for added weather resistance.
- 12 Notify your supplier before installing more than 144 sq. ft. (2 boxes) if any product issue is discovered during installation to ensure warranty coverage is preserved.



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