

METAL BLOCK COLLECTION
MAC METAL ARCHITECTURAL

Metal Block

SKU: MAC-MB

GAUGE

1" depth (25.4 mm) · 1.32
lb/ft² (24g)

WIND

3830.4 Pa / 80 psf @ 16"
o.c.

WARRANTY

40-Year Limited Warranty

COLOURS

9 available

PROFILES

Metal Block

Metal Block by MAC Metal Architectural gives designers and architects total creative freedom through custom-length steel panels with no visible screws or joints along their entire span. Customizable cross-groove spacing — from 12" to 42" — lets you dial in a precise architectural expression: a fine 12"×12" tile pattern, a bold 12"×24" ceramic-block rhythm, or any interval in between. Available in panel runs up to 60 ft with the same TEXTURAL III & IV matte paint system that defines the MAC Metal line. Installs horizontally, vertically, or diagonally on plywood, wood furring, or metal furring. A vented version provides 4.594 sq.in. of ventilation per linear foot.

Key Features

- No visible screws or joints — full panel length
- Customizable cross-grooves: 12" to 42" (standard 24")
- Horizontal, vertical & diagonal installation
- 9 colours: metallic, signature & solid finishes
- 24g standard · 22g on demand
- 40-year limited warranty on paint & finish
- Custom panel lengths up to 60 ft (18.29 m)
- 12"×12" tile look or 12"×24" ceramic-block aesthetic
- Vented version available — 4.594 sq.in./LF
- TEXTURAL III & IV matte paint system
- Individual panel replacement possible without removing adjacent panels

Available Colours

SIGNATURE COLLECTION

3 colours



Anthracite Brushed Zinc Smoky Quartz

INSPIRATION COLLECTION

6 colours



Metallic Copper Metallic Grey Titanium Black Titanium White Bright Red Onyx Black

Profiles & Specifications

MB

Metal Block

Pre-painted galvanized steel wall panel with no visible screws or joints along the entire panel length. Customizable cross-groove spacing from 12" to 42" (standard 24") creates either a 12"x12" tile look or 12"x24" ceramic-block aesthetic. Custom lengths up to 60 ft. The serrated clip system allows individual panel replacement in case of damage without disturbing adjacent panels.



Length	Custom up to 60' (18.29 m) — assorted according to plans and specifications
Height / Width	12" coverage (304.8 mm)
Thickness	1" depth (25.4 mm)
Panel Weight	1.32 lb/ft ² (0.60 kg/m ²) — 24g 1.65 lb/ft ² (0.75 kg/m ²) — 22g
Panels / Box	50 panels/box
Coverage	Depends on custom length ordered
Wind Resistance	3830.4 Pa (80 psf) @ 16" o.c. · 3112.2 Pa (65 psf) @ 24" o.c. · 1995 Pa (41.7 psf) @ 36" o.c. · 2384.3 Pa (49.8 psf) @ 48" o.c. (ASTM D5206-06A)
Installation	Horizontal / Vertical / Diagonal — screws every 16" to 48" o.c. in pre-punched holes
Backing	Plywood min. 5/8" Wood furring 16" o.c. Metal furring 16" o.c. — all furring must be level horizontally and vertically

* S junction clip available for panel jointing at notched ends. TEXTURAL III & IV paint system — matte metallic and solid finishes. Mandatory end reinforcement fold for 24g & 26g panels (optional for 22g). Individual panel replacement possible without removing adjacent panels.

MB-V

Metal Block Vented

Ventilated version of the Metal Block panel for use as siding or soffit. Provides 4.594 sq.in. of ventilation per linear foot of profile while maintaining the same visual profile, dimensions, and installation system as the standard Metal Block.



Length	Custom up to 60' (18.29 m) — same as standard Metal Block
Height / Width	12" coverage (304.8 mm)
Thickness	1" depth (25.4 mm)
Panel Weight	Same as standard Metal Block (1.32 lb/ft ² at 24g)
Panels / Box	50 panels/box
Coverage	Depends on custom length ordered
Wind Resistance	Same profile ratings as MB
Installation	Horizontal / Vertical / Diagonal — identical fastening to non-vented panel
Backing	Same as standard Metal Block

* Ventilation openings: 4.594 sq.in. per linear foot. Ideal for vented soffit applications while maintaining the Metal Block visual aesthetic.

Certifications & Testing Standards

Metal Block meets or exceeds the following Canadian and international performance standards.

● CAN/ULC-S135 — Fire Resistance, Non-Combustible Construction (Canada)
● ASTM E84 — Class A Fire Resistance (USA)
● NFPA — 0 Flammability Hazard Rating
● ASTM E2768 — Non-Combustible Construction for Wildland Urban Interface (WUI) in California
● W.U.I. Wildland Urban Interface Accreditation — Registration 8140-2358-0500
● ASTM D5206-06A — Wind Load: 3830.4 Pa (80 psf) @ 16" o.c. 3112.2 Pa (65 psf) @ 24" o.c. 1995 Pa (41.7 psf) @ 36" o.c. 2384.3 Pa (49.3 psf) @ 48" o.c.
● ASTM E330 — Wind Deflection: +3100 / " 3100 Pa @ 16" o.c. +3000 / " 3100 Pa @ 24" o.c.
● ASTM E283 — Air Leakage of Wall Assembly: Compliant
● ASTM B-117 2000h — Corrosion Resistance Standard for MAC Screws
● 40-Year Limited Warranty — Paint Defects, Discoloration & Chalking
● LEED Recyclable — 86% Recycled Content; 100% Recyclable at End of Life
● FBC — Florida Building Code (Evaluation EC-155 — in progress)
● TDI — Texas Department of Insurance accreditation (in progress)
● Miami Dade / ASTM E1886, E1996, TAS 202 & TAS 203 — ZHLA.63 Hurricane Resistance (not yet tested)

Compatible Accessories

<p>Starting Strip M10G · 10' (3048 mm) — hidden clip installed at wall base; must be perfectly level</p>	<p>J Trim M01G · 10' (3048 mm) — used at window frames, wall ends & openings</p>	<p>Inside Corner M22G · 88.9 × 38.1 × 12.7 mm · 10' (3048 mm)</p>
<p>Outside Corner (2-Piece) M20G · Assembly A+B · 87.3 × 68.3 mm · 10' (3048 mm)</p>	<p>Outside Corner (Single) M21G · inverted fold · same profile as M22G · 10' (3048 mm)</p>	<p>Drip Flashing M50G · 63.5 mm (2½") face × 45° angle · 10' length</p>
<p>Extended Drip Flashing M56G · variable leg · 63.5 mm face · 10' length</p>	<p>L Trim M14G · 38.1 × 30.2 mm · 10' (3048 mm)</p>	<p>S Junction Clip For joining panels along their lengths at notched ends</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" or 2-1/2" — ASTM B-117 2000h rated</p>	

Installation Guide

- 1 Metal Block panels have no visible screws or joints along their entire length. Panels fit together one inside the other (male/female clip system) to allow thermal expansion — never force panels or screw through the face.
- 2 End reinforcement fold is mandatory for 24g and 26g panels, optional for 22g. Before installing, use the MAC folding tool for Versa & Metal Block to fold panel ends at 90° (½" or 1" fold minimum) — this prevents end deformation and panel separation.
- 3 Install Starting Strip (M10G) 3½" above where the wall will start. Level carefully — it guides the entire installation. Use MAC 1-1/2" flathead metal screws or 1-1/8" flathead wood screws. For vertical installation, use M50G drip molding instead; no starter strip required.
- 4 Drive screws every 16" to 48" o.c. in pre-punched holes with moderate pressure only. Screws must not exert upward or downward pressure on the panel (causes deformation and joint spacing).
- 5 Do NOT install over ZIP System Insulated R-Sheathing or similar dual-composite panels — insufficient rigidity causes movement, deformation, and oil canning.
- 6 Check alignment every 3–4 panels. Remove protective film only after panel is installed — leaving it in place protects the finish and allows visual inspection of alignment.
- 7 For inside corners (M22G — horizontal): slide panel end into molding leaving 1/8" gap for expansion. For outside corners, install M20G (2-piece, apply MAC sealant inside finishing molding before stapling) or M21G (single-piece inverted fold).
- 8 For window openings: install J Trim (M01G) on both sides and bottom; install drip cap above. If the last panel does not reach full height, cut with extra ½" and create a 180° fold for additional support — install cut panel backwards.
- 9 Apply MAC sealant in the female clip in ½" x 1" strokes every 24" starting from the 4th floor on any tall building, or from the 2nd floor in wind-exposed risk areas.
- 10 For multi-storey wood structures: install horizontal expansion moldings at every floor. For steel structures: install horizontal expansion moldings every 30 ft. For very long walls: install vertical transition moldings every 30 ft.
- 11 Cut panels using the MAC Guillotine designed for Versa and Metal Block, or with steel snips/shears. Electric saws and grinders are NOT covered by MAC warranty and may leave metal particles that accelerate corrosion.
- 12 Notify your supplier before installing more than 500 sq. ft. if any product issue is discovered during installation to ensure warranty coverage is preserved.



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