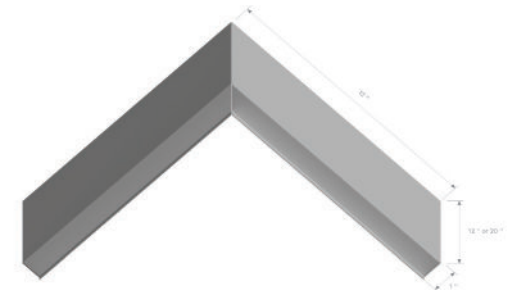# POLYMAC

Panel 12 x 48 x 1 in
Panel 12 x 72 x 1 in

Panel 20 x 48 x 1 in
Panel 20 x 72 x 1 in

Corner panel 12 x 12 x 12 x 1 in
Corner panel 12 x 12 x 20 x 1 in

DESCRIPTION
Profile designed for horizontal wall installation only. Polymac architectural panels are the perfect answer to today's architectural trends, while combining the style, strength, and durability of steel. The strength of this panel lies in its versatility, making it the most effective and affordable option on the market.

WARRANTY
Since we use a superior grade of steel and an unparalleled painting process that ensures longevity, MAC offers its customers a 40-year Quiet Guarantee.

INSTALLATION WARRANTY
In the event that a problem occurs during the installation of the profiles, it is important to report the situation immediately to your supplier before proceeding with the rest of the installation. For Polymac profiles, the supplier must be notified prior to the installation of 500 sq. ft. Beyond 500 sq. ft. the installer is responsible for the installation.

GUARANTEE 40 YEARS
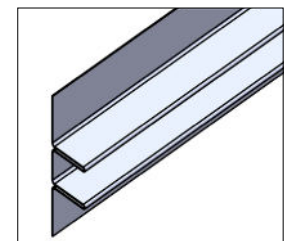
"U" MOLDING
The U-shaped molding is the fastening molding for the installation of Polymac panels

POLYMAC

PHYSICAL DATA OF THE PROFILE

Dimensions	12 in x 48 in	12 in x 72 in	20 in x 48 in	20 in x 72 in	Corner 12 in	Corner 20 in
Standard length	48 in (1219.2 mm)	72 in (1828.8 mm)	48 in (1219.2 mm)	72 in (1828.8 mm)	12 in (304.8 mm)	12 in (304.8 mm)
Height (covered)	12 in (304.8 mm)	12 in (304.8 mm)	20 in (508 mm)	20 in (508 mm)	12 in (304.8 mm)	20 in (508 mm)
Thickness (width)	1 in (25.4 mm)	1 in (25.4 mm)	1 in (25.4 mm)	1 in (25.4 mm)	1 in (25.4 mm)	1 in (25.4 mm)
Weight (per panel)	4.25 lbs (1.93kg)	6.36 lbs (2.89kg)	6.36 lbs (2.89kg)	9.54lbs (4.34kg)	2.12lbs (0.96kg)	3.18lbs (1.45kg)
Screw holes (openings)	0.75 x 0.1875 in (19 mm x 4.8 mm)	0.75 x 0.1875 in (19 mm x 4.8 mm)	0.75 x 0.1875 in (19 mm x 4.8 mm)	0.75 x 0.1875 in (19 mm x 4.8 mm)	0.75 x 0.1875 in (19 mm x 4.8 mm)	0.75 x 0.1875 in (19 mm x 4.8 mm)
Screw holes intervals	1.5 in (39.1 mm) OR 2.25 in (57.2 mm)	1.5 in (39.1 mm) OR 2.25 in (57.2 mm)	1.5 in (39.1 mm) OR 2.25 in (57.2 mm)	1.5 in (39.1 mm) OR 2.25 in (57.2 mm)	1.5 in (39.1 mm) OR 2.25 in (57.2 mm)	1.5 in (39.1 mm) OR 2.25 in (57.2 mm)
Available gauges						
Gauge	24 g	24 g	24 g	24 g	24 g	24 g
Vented soffit option (12 in panel without foam only) | In square inch of opening per linear foot of profile						
Ventilation	4.5940	4.5940				
Packaging details	12 in x 48 in	12 in x 72 in	20 in x 48 in	20 in x 72 in	Corner 12 in	Corner 20 in
Box contains	8 panels	8 panels	8 panels	8 panels	4 panels	4 panels
Total surface area	32 sq. ft. (3 sq. m.)	48 sq. ft. (4.46 sq. m.)	53.33 sq. ft. (4.96 sq. m.)	80 sq. ft. (7.44 sq. m.)	8 sq. ft. (0.75 sq. m.)	13.33 sq. ft. (1.25 sq. m.)
Box dimensions	13.5 x 48 x 8.75 in (330.2 x 1219.2 x 222.25 mm)	13.5 x 72 x 8.75 in (330.2 x 1828.8 x 222.25 mm)	21 x 48 x 8.75 in (533.4 x 1219.2 x 222.25 mm)	21 x 72 x 8.75 in (533.4 x 1828.8 x 222.25 mm)	14 x 14.75 x 17.25 in	17.25 x 14.75 x 21.75 in
Box weight	48 lbs (22 kg)	68 lbs (31 kg)	70 lbs (32 kg)	100 lbs (45.5 kg)	12.5 lbs (5.65 kg)	19 lbs (8.65 kg)
Box dimensions	47 x 25.5 x 51.25 in - 12 Boxes	47 x 25.5 x 75.5 in - 12 Boxes	49 x 25.5 x 51.25 in - 8 Boxes	49 x 25.5 x 75.5 in - 8 Boxes	49 x 38 x 67 in - 24 Boxes	49 x 55 x 67 in - 12 Boxes

* Wooden rack packaging for custom orders. Dimensions may vary. | Premixed wood grain panel shades in every box for the WOOD COLLECTION

Insallation direction						
Installation orientation	horizontal	horizontal	horizontal	horizontal	horizontal	horizontal

TESTS

WIND RESISTANCE

Resistance to overload due to uniformly distributed static pressure-related winds, according to ASTM Standard D5206-06a.

Resistance type	Pressure
Breaking pressure of a component	Failure mode - nailing tape (16 in c/c)	In progress
Breaking pressure of a component	Failure mode - nailing tape (24 in c/c)	In progress

FIRE RESISTANCE

- Tested to ASTM-E2768 for use in non-combustible construction in Wildland Urban Interfaces in California (required for WUI listing).
- Tested as per CAN/ULC-S135 for use in non-combustible constructions.
- Tested as per ASTM E84 for non-combustible construction (Class A category).
- Classified 0 Flammability Hazard, according to the NFPA Rating Explanation Guide.

TYPE OF TEST	DESCRIPTION	STATUS WITH FOAM	STATUS WITHOUT FOAM
CAN/ULC-S135	Fire resistance (CAN)	Non-tested	Compliant
ASTM E84	Fire resistance (USA)	Non-fire resistant due to foam backing	Compliant
W.U.I.	Wildland Urban Interface accreditation	Not fire resistant due to foam backing	Inscription 8140-2358-0500
ASTM D5206-06A	Maximum sustained pressure	In progress	In progress
ASTM E330	Plank deflection under wind pressure (Tested for these variables, the results are available upon request)	In progress	In progress
ASTM E283	Air leakage of the wall assembly	Compliant	Compliant
FBC	Florida Building Code accreditation	In progress	In progress
TDI	Texas Department of Insurance accreditation	In progress	In progress
Miami Dade, ASTM E1886, E1996, TAS 202 & TAS 203	ZHLA.63 Hurricane Resistance accreditation	Non-tested	Non-tested

TEXTURAL III & IV PAINT SYSTEM

We apply TEXTURAL paint technology to all of our products to ensure their superior quality. Each of the colors from the wide range we offer create unparalleled depths of hue and texture, perfectly reproducing noble materials such as oxidized copper, zinc, and wood, while eliminating unwanted glare from the sun through clean matte surface finishes.

IMPORTANT | WOOD COLLECTION

All the colors in the Wood Collection are available in six different planks of various wood grains and shades, following two types of painting processes. Each of the planks is identified on the back side with a sequence of numbers (either from 7 to 9, or 10-11) in bold characters preceded by the # sign.

*It is important to pay particular attention to this, and to install the panels in random order to optimize the wood effect. To avoid creating a "wallpaper" effect, never reproduce the same installation sequence.

| plank # | 3 panels | 3 shades | mixed shade result |

ENVIRONMENT

Placing the environment at the heart of our priorities, all of our products are made from 86% recycled material and are 100% recyclable at the end of their life, in addition to contributing to the following LEED points:

- Recycled steel content (LEED – Credit 4.1 & Credit 4.2) Valid for all coatings (roofs and walls)

- Reduction of Heat Islands (LEED – Credit 7.2) Valid for roof coverings with slopes > 2/12 depending on the solar reflectance index (ISR or SRI greater than 29) corresponding to the chosen color (roofs only)

INSTALLATION SURFACES

- On plywood (min. thickness 5/8 in)
- On wood furring (1 in x 3 in)
- On metal furring (Z bar) (18 gauge or 20 gauge)

Note: All furring must be installed at a 45-degree angle and be level horizontally and vertically to allow installation according to accepted practices and to obtain a good installation result.

ASSEMBLY

- Comply with the manufacturer's requirements, recommendations, and written specifications, including any available technical bulletins such as the installation guide, installation videos available on the manufacturer's web page, and instructions on the web page and in the product catalog.

FIXATION

- Starter strip M10G must be installed as an invisible clip at the bottom of the walls behind the Polymac panels. It must be carefully leveled as it will determine the straightness of the structure regardless of whether it is installed in combination with a drip molding.
- Before starting the installation, refer to the videos and installation guides to make sure you have all the tools and accessories you need to start the installation.
- A methodical verification of the work must be done every 3 or 4 sheets in order to detect to detect possible anomalies.
- Continuous installation of drip moldings, starter moldings, inset/outset corner pieces, corner pieces, borders, soffits, moldings adjacent to doors and windows according to the manufacturer's recommendations.
- Install the furring beforehand, and at a 45-degree angle, to provide continuous support for the installation of the siding. Screw the furring at 12-in (304.8-mm) center-to-center intervals, and ensure that making sure that the following conditions are met a rectilinear laying of level.
- Polymac panels are nested in each other so as not to interfere with the natural thermal movements (contraction and expansion) undergone by the facings. The panels are fixed to the girts through their longitudinal bib which is located at the bottom of the wall on the female side of the staple. They can be screwed at 16 in (406.4 mm) and 48 in (1219.2 mm). Installation starts from the bottom to the top and must be done one row at a time.For the installation of the first column of panels, it is important to use the plastic spacers supplied by MAC, because this column becomes the spacing reference for the installation of the rangers.
- For high-rise buildings or buildings that are highly exposed to winds, additional caulking of the panels is recommended. It should be applied inside the female part of the staple in 1/2 x 1-inch strokes at 24-inch intervals using the sealant recommended by MAC and according to the wind resistance requirements set by the architect and the tests carried out by MAC.
- Installation of MAC siding products on ZIP system Insulated R-Sheathing Panels, or on other dual composite panels made from softer materials than wood, is not recommended. This type of panel doesn't offer a good rigid mounting surface for MAC products and will allow for movement and deformation under varying weather conditions and levels of sun exposure, and may lead to warping or oil canning.

FASTENING

MAC is proud to offer you a screw system adapted to its profiles. The screws used to screw our products must meet the STM B-117 2000h standard. The use of MAC screws designed for our profiles is strongly recommended.

Use the MAC High-End Century K-LATCH Screw or MAC Self-Drilling K-LATCH Screw (1 1/8 or 2 1/2 in) depending on the type of furring or surface to be fastened.

The screws should be set with moderate contact on the clip part of the panel to avoid impeding the expansion of the metal. The screws must not exert any upward or downward pressure to avoid deforming the siding or opening the panels at the joints. Remove the protective film from the siding prior to installation to facilitate a good visual inspection of the quality of the installation and in order to make appropriate corrections as installation progresses.

A058.250
K-LATCH High-End
Century Screw
1.25 in

A053.250
K-LATCH
Self-Drilling Screw
1.25 in

ACCESSORIES & MOLDINGS

With an eye for detail, MAC offers a series of accessories compatible with its profiles to ensure a perfect finish. Discover our moldings, arches, soffits, vents, screws, and snow gates offered in our unique color series.

All standard moldings such as transition trim, inside/outside corners, and drip moldings are available from the MAC manufacturer or distributors in 10 ft (3048 mm) lengths. Please refer to the website for the complete molding and flashing guide. Custom moldings are available in 10 ft (3048 mm) lengths upon request. They can be manufactured by MAC or by a forming company from flat rolls supplied by MAC.

RESOURCES

To help you in the realization of your project, we have made all of the CAD, REVIT, and DWG drawings, as well as the videos and technical guides of our profiles, available for you to use on website. Find these resources in the PRO Space of each.