Steel siding & roofing

**MS 3 & MS 4**

Pre-paint steel roof & wall profile without visible screws

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**Template**

<table>
<thead>
<tr>
<th>Measurements</th>
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<tbody>
<tr>
<td>Length</td>
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<tr>
<td>Height</td>
</tr>
<tr>
<td>Covering width (depth)</td>
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<tr>
<td>Gauge availability</td>
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<tr>
<td>Gauge 24 wall &amp; 26 roof</td>
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</table>

**INSTALLATION SURFACES**

- Roofing installation: on plywood (minimum thickness 5/8 in) covered with self-adhesive membrane intended and designed to receive metal coatings
- Wall installation: on plywood, install on wood furs (1 in x 3 in) (25.4 mm x 76.2 mm) or on metal furs (Z bar) 18 gauge or 20 gauge, if needed

Note: All furs must be ground horizontally and vertically to allow installation according to accepted practice and to achieve a good final installation result.

**ADVANTAGES**

- No perforation
- No visible screws
- No joints along the length of the panels
- Great ease of installation
- Non-combustible product
- Resistance to increased winds
- Extended service life (guaranteed up to 40 years)

**MAIN FEATURES**

- Custom-made lengths according to customer demand and design plans (maximum 60 ft (18.29 m))
- Interlocking (male and female) clip type without visible screws
- The end of the flanges on the male part of the lined clip ensure a better grip between the interlocking panels, and prevent corrosion at these locations
- Anti-siphoning space inside the staple that prevents the infiltration of water through the panels by capillary action or siphoning
- Mounting brackets hidden under the surface of the panels
- Longitudinal groove on the female side of the clip to house the heads of the fastening screws

**FIRE RESISTANCE**

- Tested as per CAN/ULC-S135 for use in non-combustible constructions
- Classified 0 Flammability Hazard, according to the NFPA Rating Explanation Guide
INSTALLATION

• For roof installation, follow the recommendations of the MAC manufacturer: application of a MAC (LASTOBOND SHIELD / LASTOBOND SHIELD HT) self-adhesive membrane to the support surface (plywood or otherwise) and screwing every 20, 22, or 24 inches depending on the degree of slope and exposure to the winds.

• Install a wide strip of manufacturer’s recommended sealant on the back of the center of the panels at intervals of 24 inches on the sub-structures designed to receive the panels.

• A systematic check of the work must be done every 2 or 3 panels placed to detect possible anomalies. In these cases, it is recommended first to check the straightness of the surface to be laid and, if necessary, to correct it. Lay the panels respecting the overlap and pattern of the cross lines (false joints) of the consecutive panels as indicated on the elevations of the plans.

• The ends of the panels should be folded after the starting moldings and the wings of the grooves. The same applies to the panels at the ends, which must also be stapled along their length upon starting moldings.

• The ends of the panels that enter the pocket of the ridge cap or other moldings laid in advance must be folded (towards the open air) and sealed at the junction of the staples and the junction of the ridge cap or moldings.

• When necessary, cut the panels into lengths, using only cold cut-specialized tools.

• When there are several floors to cover, it is important to put a horizontal expansion moulding on your structure: every floor if the structure is made of wood or every 30 ft if the structure is made of steel.

• Never leave the cut edge of the panels exposed on the surface. Normally, the cut edges must be folded on themselves, stapled, or covered by adjacent moldings.

• Requires sealant application for shallow slopes, near grooves, or for increased safety against high winds and noise vibration.

• Installation of the MAC siding products on ZIP R-sheathing panels and other dual composite panels with a softer material than wood is not recommended. This type of panel doesn’t offer a good rigid mounting surface for the MAC products and will allow for movement and deformation under varying weather and sun exposure transferring into oil canning.

RESTRICTIONS ON ROOFING SLOPES

• MINIMUM SLOPE 10° or 17.03% (~ 2/12 pitch) for pre-finished steel roof with TEXTURAL III paint system (colours based on polyurethanes)

• MINIMUM SLOPE 15° or 26.75% (~ 3/12 pitch) for pre-finished steel roof with TEXTURAL IV paint system (colours at the base of PVDF)

• MINIMUM 18° SLOPE or 32.49% (~ 4/12 pitch) for pre-finished steel roof with PERSPECTRA paint system PLUS (colours based on polyesters)

• For slopes less than 3/12-manual installation recommendation of MAC sealer inside staple (all along the groove of the female part of the staple).

* Sealing against the risk of water infiltration due to the hydrostatic pressure of water during snowmelt.

COLOR AVAILABILITY

FOR MORE INFORMATION ON TEXTURAL III AND TEXTURAL IV PAINT SYSTEMS, AVAILABILITY OF COLORS AND GAUGES, PLEASE REFER TO THE COLOR CHART AVAILABLE IN THE COLOR SECTION OF MACMETALARCHITECTURAL.COM.

OTHER COLORS AVAILABLE ON REQUEST

• Colors of the PERSPECTRA PLUS Series

• Color of the 10 000 Series or Kynar color system

• Color to be developed upon request by designers (for large-area projects (20,000 sq. ft. and over)

• Steel type GALVALUME Plus

MOLDING

All standard moldings such as starter 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 steel rolls supplied by MAC.

Some types of moldings can be made on the job site by purchasing flat material in rolls from the MAC manufacturer.