

**Product Name**

StrataClad™ Wall Panels

**Specification Section**

MasterFormat 07 42 13.13

**Manufacturer's Name**

Lenmak Exterior Innovations Inc.



June 26, 2019

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**PRODUCT DESCRIPTION**

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**PRODUCT FEATURES**

- **DESCRIPTION**
  - Factory fabricated metal wall or soffit cladding with related flashings and accessory components.
  - Online technical information available at: <http://www.lenmak.com>
- **BASIC USES / RELATED USES**
  - Exterior wall finish.
- **PRODUCT ATTRIBUTES AND CHARACTERISTICS**
  - Factory fabricated to standard profiles or custom designed to order and produced on demand.
  - Competitive lead times, due to automation and lean manufacturing processes. Rapid turn-around times.
  - Interlocking panel design permits fully concealed fastening.
  - Available in several pre-finished colours, with no limits on production quantity.
  - Available in standard and metallic colours for use as accents or full extensions.
  - Designed to be best in aesthetics, performance and cost efficiency.
- **SUSTAINABILITY CRITERIA**
  - Panels are made from a combination of pre- and post-consumer recycled materials, and are 100% recyclable.
    - Aluminum Recycled Content: 24.7% pre-consumer and 55.8% post-consumer
    - Steel Recycled Content: 6.8% pre-consumer and 24% post-consumer
- **APPLICABLE STANDARDS, RELATED REFERENCES**
  - AAMA 611-14 Voluntary Specification for Anodized Architectural Aluminum
  - AAMA 2605-13 Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels
  - ASTM B209/B209M-10 - Standard Specification for Aluminum and Aluminum Alloy Sheet and Plate
- **PERFORMANCE CRITERIA**
  - **System Design:** Designed and components sizes to withstand dead and live loads caused by positive and negative wind pressure acting normal to plane of wall, as calculated in accordance with applicable code.
  - **Thermal Movement:** Components allow for expansion and contraction of system components.

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- Expansion joints designed to accommodate movement in cladding and between cladding and structure to prevent permanent distortion or damage to cladding.
- Seismic Loads: Design and size components to withstand seismic loads and sway displacement, as calculated in accordance with applicable code.
- Drainage: Positive drainage to exterior where moisture enters or condensation occurs within panel system.
- **PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS**
  - Packaged on skids or crates.
- **SPECIAL WARRANTY**
  - Warranties for paint finishes are available. Length and nature of warranty varies depending on the finish type. Consult Lenmak Exterior Innovations Inc. for further information.
- **LIMITATIONS**
  - Pre-finished post-formed metal panel assemblies may exhibit certain behaviors common to all fabricators. Panel surfaces may display a slight convex effect (pillowing) due to panel stresses during manufacture, fabrication, or installation. Metal forming during panel fabrication may result fine cracks in finishes (crazing) at outer edges or bends. Excessive effects are a deficiency; mild “pillowing” or “crazing” are not deficiencies.
- **AVAILABILITY**
  - Directly from Lenmak Exterior Innovations Inc.
- **COST**
  - Consult Lenmak Exterior Innovations Inc for specific product costs or relative costs.

**PRODUCT PROPERTIES**

- **MATERIALS**
  - Panels:
    - Aluminum, 3003, 5052, or 5005-H32 to ASTM B209, 1.27 mm (0.050 inch) thick (ATAS Comm finishes and PAC Comm finishes)
    - Steel, 0.76 mm (22 ga.) thick, galvanized for PVDF 12,000 series Kynar solid colours
    - Steel, 0.61 mm (24 ga.) thick, galvanized for NaturClad™ PVDF finishes and Cascadia PVDF Printech
  - Trim and Related Components: Same material and finish as panels

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- **SIZES**
  - Panel Profile:
    - Custom widths available; consult manufacturer.
  - Panel Depth:
    - Custom depths available; consult manufacturer.
- **ACCESSORIES**
  - Fasteners: As recommended by manufacturer in the following materials;
    - Galvanized
    - Long-term corrosion resistant coated
    - Stainless steel
  - Sealant and Backing Materials: Polyurethane or silicone type
- **SHOP FABRICATION AND ASSEMBLY**
  - Form metal profiles true to shape, accurate in size, square, and free from distortions.
  - Factory fabricate components ready for field installation.
  - All components are site assembled.

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- **FINISH**
  - Aluminum Finishes:
    - ATAS Comm Finishes: Galvalume, Ascot White, Clear Anodized, Dark Anodized, Bronze Anodized, Coppertone
    - PAC Comm Aluminum Finishes: Zinc, Silver, Copper Penny, Aged Copper, Champagne, Weathered Zinc
  - Steel Finishes:
    - PVDF (Kynar) coating in solid colours
    - Lenmak Exterior Innovations Inc, NaturClad™ Finish, PVDF coating with wood-grain appearance.
      - Available Colours: Acorn finish, Frontier finish, Espresso finish, Autumn finish, Saddle finish, Gunstock finish, Wagon Wood finish, Knotty Pine finish, and Barn Board finish.

## PRODUCT PLACEMENT

- **INSTALLATION**
  - Install supporting furring or framing secured to structural framing members, cast-in-place concrete structure, or structural concrete unit masonry.
  - Install panels in accordance with manufacturer's written instructions, and as indicated on shop drawings.
  - Install assembly plumb and level, free of twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- **WASTE RECYCLING**
  - Any metal waste generated during installation is fully recyclable.

**Corporate Identification**

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**Classification and Filing**

MasterFormat 2014:

07 42 13.13 - Formed Metal Wall Panels

OmniClass:

23-13 37 15 11 – Metal Exterior Siding

UniFormat:

B2010.10 - Exterior Wall Veneer

**END**