

Product Name

InterClad™ Wall Panels

Specification Section

MasterFormat 07 46 10

Manufacturer's Name

Lenmak Exterior Innovations Inc.



June 26, 2019

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PRODUCT DESCRIPTION

PRODUCT FEATURES

- DESCRIPTION
 - Factory fabricated metal wall siding/cladding with related flashings and accessory components.
 - Online brochure available at: <http://www.lenmak.com>
- BASIC USES / RELATED USES
 - Exterior wall panels installed horizontally or vertically, with concealed fasteners.
- PRODUCT ATTRIBUTES AND CHARACTERISTICS
 - Manufacturer's stand-off clip permits full ventilation and drainage behind metal panel face, and allows panel thermal expansion/contraction.
 - Prefabricated break-formed panels on twin-folding machine available in three different profiles:
 - InterClad™ Prime: Single, wide rib design with smaller rib profile at panel joints
 - InterClad™ Duo: Dual, matching rib design
 - InterClad™ Quattro: Quadruple, matching rib design
 - InterClad Duo XL: Dual, wide rib design
 - Competitive lead times, due to automation and lean manufacturing processes. Rapid turn-around times.
 - Interlocking panel design with fully concealed fastening.
 - Available in several factory 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.
 - Steel Recycled Content: 6.8% pre-consumer and 24% post-consumer
- APPLICABLE STANDARDS, RELATED REFERENCES
 - ASTM A653/A653M-13 - Standard Specification for Steel Sheet, Zinc Coated (Galvanized) or Zinc Iron Alloy Coated (Galvannealed) by the Hot Dip Process.
 - ASTM A792/A792M-10 - Standard Specification for Steel Sheet, 55 % Aluminum Zinc Alloy Coated by the Hot Dip Process.
- PERFORMANCE CRITERIA

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- System Design: Design and size components 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: Provide for expansion and contraction within system components.
- Design expansion joints to accommodate movement in siding/cladding and between siding/cladding and structure to prevent permanent distortion or damage to siding/cladding.
- Seismic Loads: Design and size components to withstand seismic loads and sway displacement as calculated in accordance with applicable code.
- Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within siding/cladding system.
- **PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS**
 - Packaged on skids or crates.
- **SPECIAL WARRANTY**
 - Warranties for paint finishes are available, and vary depending on the finish type. Consult Lenmak Exterior Innovations Inc. for further information.
 - .1 SMP standard colour Finishes: Twenty (20) years
 - .2 PVDF Premium Printech Finishes: Twenty-five (25) years
 - .3 PVDF Premium 12,000 series Finishes: Twenty-five (25) years
 - .4 PVDF NaturClad™ Finishes: Forty (40) years
- **LIMITATIONS**
 - Pre-finished post-formed metal panel assemblies may exhibit certain behaviors common to all fabricators. Oil canning is a moderate deformation of sheet metal surfaces, typically caused by uneven stresses at fastening points. Metal forming during panel fabrication may result fine cracks in finishes (crazing) at outer edges or bends. Excessive effects are a deficiency; mild “oil canning” 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.

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PRODUCT PROPERTIES

- **MATERIALS**
 - Panels:
 - Steel Thickness:
 - SMP Coated Steel: 0.76 mm (22 gauge) or 0.61 mm (24 gauge)
 - PVDF 12,000 Series: 0.76 mm (22 gauge) or 0.61 mm (24 gauge)
 - PVDF Printech: 0.61 mm (24 gauge)
 - NaturClad: 0.61 mm (24 gauge)
 - Request further information for non-standard thicknesses.
 - Coating:
 - Galvanized G90 (Z275) to ASTM A653/A653M
 - Galvalume AZ150 (AZ50) to ASTM A792/A792M
 - Trim and Related Components: Same material and finish as panels
- **SIZES**
 - Panel Profile:
 - InterClad™ Prime: 413 mm (16.25 inches) wide, 240 mm (9.5 inch) ribs
 - InterClad™ Duo: 413 mm (16.25 inches) wide, 140 mm (5.5 inch) ribs
 - InterClad™ Quattro: 410 mm (16.125 inches) wide, 38 mm (1.5 inch) ribs
 - InterClad™ Duo XL: 451 mm (17.75 inches) wide, 1.98 mm (7.8 inch) ribs
- **ACCESSORIES**
 - Clip and Starter Strip: Manufacturer's stand-off clip and starter strip
 - Fasteners: As recommended by manufacturer in the following materials:
 - Galvanized steel
 - Long-term corrosion resistant coating
 - Stainless steel
 - Sealant and Backing Materials: Polyurethane or silicone type
- **SHOP FABRICATION AND ASSEMBLY**
 - Metal profiles formed true to shape, accurate in size, square, and free from distortions.
 - Factory fabricate components ready for site installation.
 - Maximum Fabricated Length: 7925 mm (26 feet)
 - All components are site assembled.

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- **FINISH**
 - Steel Finishes:
 - Factory Painted SMP Coating: Two-coat, silicone-modified polyester paint system, 0.90-1.15 mil dry film thickness to ASTM D1005-95.
 - Available Colours: Antique Linen QC3696, Black QC8262, Bone White QC8273, Briarwood Tan QC8331, Bright Red QC8386, Cambridge White QC3695, Charcoal QC8306, Coffee Brown QC8326, Dark Brown QC8229, Dark Green, Dark Red QC8250, Deep Water Green QC3684, Forest Green QC8329, Gold QC8276, Heron Blue QC8330, Labrador Blue QC3688, Melchers Green QC8307, Metro Brown QC8228, Mist Green QC8256, Pacific Turquoise QC8258, Polar White QC1820-R, Regent Grey QC1730, Royal Blue QC8790, Sage Green QC6089, Sapphire Blue QC8261, Slate Blue QC8260, Spruce Green QC3697, Stone Grey QC8305, Surf White QC8316, Tan QC8315, Tile Red QC8259, Turquoise QC8310, White-White QC8317
 - Factory Painted PVDF Standard 12,000 series Coating: Two-coat, 70 percent by weight fluoropolymer resin (Kynar 500 or Hylar 5000), nominal 1.0 mil dry film thickness.
 - Available Colours: Bronze, Champagne Metallic CM12-2007, Colonial Red CM12-2020, Copper Penny CM12-2005, Dark Bronze CM12-2004, Forest Green CM12-2018, Hartford Green CM12-2002, Hemlock Green CM12-2016, Old Town Grey CM12-2019, Old Zinc Grey CM12-2003, Parchment CM12-2015, Regal Blue CM12-2012, Regal White CM12-2011, Retro Red CM12-2010, Sierra Slate Grey CM12-2009, Silver Metallic CM12-2008, Tan CM12-2017, Terra Cotta CM12-2014, Twilight Blue CM12-2004, Weathered Copper CM12-2013, Weathered Zinc CM12-2006
 - Factory Painted PVDF Printech Coating: Three-coat, 70 percent by weight fluoropolymer resin (Kynar 500 or Hylar 5000), nominal 1.0 mil dry film thickness.
 - Available Colours: Aged Copper, Dark Zinc, Light Zinc, Rustic Red
 - Lenmak NaturClad™ Finish: PVDF coating of simulated wood-grain finish (Hylar 5000 or Kynar 500), nominal 1.1 mil dry film thickness, low gloss.
 - Available Colours: Acorn, Autumn, Espresso, Frontier, Gunstock, Light Hickory, Mahogany, Saddle, and Weathered Ash
 - Galvanized or Galvalume without additional 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.

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- 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 46 10 - Metal Siding

OmniClass:
23-13 37 15 11 - Metal Exterior Siding

UniFormat:
B2010.10 - Exterior Wall Veneer

END