

Product Name

OmniClad™ Panels

Specification Section

MasterFormat 07 46 10

Manufacturer's Name

Lenmak Exterior Innovations Inc.



June 26, 2019

Page 1

PRODUCT DESCRIPTION

PRODUCT FEATURES

- DESCRIPTION
 - Factory fabricated metal wall or soffit cladding with related flashings and accessory components.
 - Online brochure available at: <http://www.lenmak.com>.
- BASIC USES / RELATED USES
 - Exterior wall finish with horizontal or vertical plank-style profile.
- PRODUCT ATTRIBUTES AND CHARACTERISTICS
 - Factory fabricated siding profiles, reducing site labour and time.
 - Competitive lead times, due to automation and lean manufacturing processes. Rapid turn-around times.
 - Interlocking panel design with “floating” clip system, fully concealed fastening.
 - Available in several pre-finished colours, with no limits on production quantity.
 - Available in solid colours, wood-grain, or stone appearance.
 - 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
 - AAMA 2605-14 Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.
 - 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.

Product Name

OmniClad™ Panels

Specification Section

MasterFormat 07 46 10

Manufacturer's Name

Lenmak Exterior Innovations Inc.



June 26, 2019

Page 2

PRODUCT DESCRIPTION

- **PERFORMANCE CRITERIA**
 - 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 panel assembly and between siding and structure to prevent permanent distortion or damage to siding.
 - 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 panel 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 12,000 series Finishes: Twenty-five (25) years
 - .3 PVDF Premium Printech 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. 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.

Product Name

OmniClad™ Panels

Specification Section

MasterFormat 07 46 10

Manufacturer's Name

Lenmak Exterior Innovations Inc.



June 26, 2019

Page 3

PRODUCT DESCRIPTION

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.
 - Galvalume AZ150 (AZ50) to ASTM A792/A792M
 - Trim and Related Components: Same material and finish as panels
- **SIZES**
 - Panel Profile:
 - Item 7000: 194 mm (7.625 inches) wide face profile
 - Item 7001: 133 mm (5.25 inches) wide face profile
 - Item 7002: 245 mm (9.625 inches) wide face profile
 - Minimum Panel Length: 610 mm (24 inches)
 - Maximum Panel Length: 7925 mm (26 feet)
- **ACCESSORIES**
 - Splice Plate Trim: Three (3) styles available:
 - Horizontal grain
 - Vertical grain
 - Reveal type
 - Fasteners: As recommended by manufacturer in the following materials:
 - Galvanized steel
 - Long-term corrosion resistant coated steel
 - Stainless steel
 - Sealant and Backing Materials: Polyurethane or silicone type
 - Foam Glazing Tape: Self-adhered closed-cell polyethylene foam tape as recommended by manufacturer.
 - Acceptable Product: Cascade Aqua-tech, 2021 series
- **SHOP FABRICATION AND ASSEMBLY**
 - Form metal profiles true to shape, accurate in size, square, and free from distortions.

Product Name

OmniClad™ Panels

Specification Section

MasterFormat 07 46 10

Manufacturer's Name

Lenmak Exterior Innovations Inc.



June 26, 2019

Page 4

PRODUCT DESCRIPTION

- Factory fabricated components ready for site installation.
- Fabricate in longest practical lengths, as indicated above.
- All components are site assembled.
- **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, Black, Bright Red, Briarwood Tan, Bone White, Cambridge White, Charcoal, Coffee Brown, Dark Brown, Dark Red, Deep Water Green, Forest Green, Gold, Heron Blue, Labrador Blue, Metro Brown, Melchers Green, Mist Green, Polar White, Royal Blue, Regent Grey, Sapphire Blue, Slate Blue, Surf White, Stone Grey, Tan, Tile Red, Turquoise, White-White.
 - Factory Painted PVDF 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: Regal White, Parchment, Sierra Tan, Old Zinc Grey, Weathered Copper, Bronze, Dark Bronze, Black, Old Town Grey, Slate Grey, Twilight Blue, Regal Blue, Hemlock Green, Terra Cotta, Retro Red, Colonial Red, Copper Penny, Silver Metallic, Champagne Metallic, Weathered Zinc.
 - 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: Proprietary PVDF coating, nominal 1.1 mil dry film thickness, simulated wood-grain appearance, low gloss.
 - Available Colours: Acorn, Autumn, Espresso, Frontier, Gunstock, Knotty Pine, Wagon Wood, Barn Wood, Saddle.

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.
 - Align assembly plumb and level, free of twist. Maintain assembly dimensional tolerances, aligning with adjacent work.

Product Name

OmniClad™ Panels

Specification Section

MasterFormat 07 46 10

Manufacturer's Name

Lenmak Exterior Innovations Inc.



June 26, 2019

Page 5

PRODUCT DESCRIPTION

- **WASTE RECYCLING**
 - Any metal waste generated during installation is fully recyclable.

Corporate Identification

Lenmak Exterior Innovations Inc.

10404 - 176 Street NW

Edmonton, AB Canada

T5S 1L3

Tel: 780.451.5482 or 888.451.5482

Fax: 780.451.0865 or 888.451.0865

<http://www.lenmak.com>orderdesk@lenmak.com**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