

**Part 1 General**

**1.1 SECTION INCLUDES**

- .1 This Section includes requirements for supply of rigid, hollow core, polyvinylchloride (PVC) interlocking panels with laminated PVC film on exposed surfaces and their installation on exterior soffits or ceilings.

**1.2 REFERENCES**

- .1 AAMA 303-18, Voluntary Specification for Rigid Polyvinyl Chloride (PVC) Exterior Profiles.
- .2 CAN/CGSB-41.24-95, Rigid Vinyl Siding, Soffits and Facia.
- .3 CAN/ULC-S102-2018, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

**1.3 ACTION SUBMITTALS**

- .1 Product data: Submit manufacturer's printed product literature, specifications and data sheets in accordance with Section [01 33 00 - Submittal Procedures] [\_\_\_\_].
- .2 Samples:
  - .1 Submit samples [in accordance with Section [01 33 00 - Submittal Procedures] [\_\_\_\_]].
  - .2 [Submit colour samples for colour/pattern selection]. Submit duplicate samples of actual soffit material, full profile width x [200] [\_\_\_\_] mm long, of specified colour/pattern and profile.
  - .3 [Submit samples of all exposed accessories and trims].
- .3 Installation Instructions: Submit manufacturer's printed installation instructions.
- .4 Installer Qualifications: Submit proof of installer compliance with installer qualifications specified under Quality Assurance.
- .5 Sustainable Design Submittals: Submit required documentation in accordance with Project sustainable design requirements in Section [01 35 64 – LEED Requirements] [01 35 67 – Sustainability Certification Requirements] [\_\_\_\_].

**1.4 CLOSEOUT SUBMITTALS**

- .1 Submit in accordance with Section [01 78 00 – Closeout Submittals] [\_\_\_\_].
- .2 Maintenance Data: Submit manufacturer's printed instructions for cleaning and repair procedures. Include names and contact information of Product manufacturer and installer.
- .3 Warranty Documentation: Submit manufacturer's warranty.

### **1.5 MAINTENANCE MATERIAL SUBMITTALS**

- .1 Submit in accordance with Section [01 78 00 – Closeout Submittals] [\_\_\_\_].
- .2 Supply:
  - .1 One manufacturer’s touch-up pen for each colour of soffit material.
  - .2 [1%] [\_\_%] of installed panels in manufacturer’s maximum standard panel length.
  - .3 [One] [\_\_\_\_] of each accessory and trim shape in manufacturer’s maximum standard length.
- .3 Package materials with protective coverings and label.

### **1.6 QUALITY ASSURANCE**

- .1 Test Reports: Submit certified test reports showing Product compliance with specified performance characteristics and physical properties.
- .2 Installer Qualifications: Minimum [one] [three] [\_\_\_\_] year[s] experience installing specified Products or similar products, on projects of similar size to this Project.
- .3 Pre-Installation Meeting: Conduct pre-installation meeting to verify installation requirements, manufacturer's installation instructions, and manufacturer's warranty requirements.
- .4 Mock-Up: In accordance with Section [01 40 90 – Quality Requirements] [\_\_\_\_].
  - .1 Construct a [\_\_\_\_] mm x [\_\_\_\_] mm mock-up of soffit installation forming part of the Work for Consultant’s review.
  - .2 Include each accessory and trim type.
  - .3 Approved mock-up establishes an acceptable standard for the Work.

### **1.7 DELIVERY, STORAGE, AND HANDLING**

- .1 Comply with manufacturer’s instructions.

### **1.8 SITE CONDITIONS**

- .1 Proceed with installation only when ambient temperature is above -20 C.

### **1.9 WARRANTY**

- .1 Provide the following manufacturer’s limited and prorated warranty coverages:
  - .1 That Product will be free from initial manufacturing defects in material or workmanship and against warping, blistering, and peeling for 50 years.
  - .2 Against unreasonable discolouration for 15 years.

## **Part 2 Products**

### **2.1 MANUFACTURER**

- .1 ChamClad by Chameleon Wrapping & Lamination Ltd., 10235 – 184 St., Edmonton, AB, T5S 2J4. [chamclad.com](http://chamclad.com) Ph. 780-454-4430.
- .2 [Substitutions will not be considered.] [Substitutions will be considered during bidding period as specified in Section [00 21 13 – Instructions to Bidders] [\_\_\_\_].] [Substitutions will be considered as specified in Section [01 25 00 – Substitution Procedures] [\_\_\_\_].]

### **2.2 MATERIALS**

- .1 Non-Vented Panels:
  - .1 Hollow core, rigid, extruded PVC interlocking panels with factory laminated PVC film.
  - .2 Profile: Nominally [100 mm] [150 mm] [300 mm] wide x 10 mm thick.
- .2 Vented Panels:
  - .1 Single wall, rigid, extruded PVC interlocking panels with factory laminated PVC film and vent holes.
  - .2 Profile: Nominally [100 mm] [150 mm] wide, 0.94 mm wall thickness.
- .3 Panel Lengths: [maximum standard lengths to minimize joints] [custom lengths to minimize joints and minimize waste].
- .4 Colour/pattern: [Barn Board Grey] [Beach Wood Grey] [Black Black] [Black Wood] [Bright White] [Brown Oak] [Brushed Metallic] [Brushed Silver] [Cherry] [Clay] [Colonial Oak] [Colonial Walnut] [Grey Oak] [Light Oak] [Mocca] [Smoke Grey] [Spanish Cedar] [Speckled Graphite] [Sun Bleached Oak] [Teak] [Bamboo] [Black Cherry] [Black Walnut] [California Redwood] [Chocolate Walnut] [Cloud Grey] [Coffee Bean] [Desert Oak] [Golden Oak] [Gun Metal Grey] [Honey] [Iron Glimmer White] [Modern Walnut] [Monument Oak] [Mountain Oak] [Mountain Pine] [Natural Oak] [Navy] [Pure White] [Toffee] [Charred Wood] [Dark Wood] [Harvest Walnut] [Black Black].
- .5 Accessories and Trims: J trim, finishing trim, F trim, H mold, aluminum/PVC outside corner, of matching material to soffit panels, with pre-punched nailing strip, [maximum standard lengths to minimize joints] [custom lengths to minimize joints and minimize waste].
- .6 Fasteners: [galvanized] [stainless] steel.

### **2.3 PERFORMANCE CRITERIA**

- .1 Rigid PVC Extrusions: to AAMA 303-18.
- .2 Colour: to CAN/CGSB-41.24-95.
- .3 Specular Gloss: to CAN/CGSB-41.24-95
- .4 Acid Rain Resistance: to CCMC TG 07 46 33.07.

- .5 Accelerated Weathering Resistance: No deleterious effects when tested to CCMC TG 07 46 33.07 and ASTM G154-16. Meets AAMA 307-16 for UV exposure.
- .6 Surface Burning Characteristics: Flame spread rating < 75 and smoke developed classification <450 when tested to CAN/ULC-S102-2018.

### **Part 3 Execution**

#### **3.1 VERIFICATION OF CONDITIONS**

- .1 Verify that substrates are suitable for installation of the Work of this Section. Commencement of Work denotes acceptance of conditions.

#### **3.2 INSTALLATION**

- .1 Install soffit panels [parallel to walls] [perpendicular to walls] [as indicated on Drawings] [for [U-Channel] [V-Groove] appearance].
- .2 Install vented panels by alternating vented and non-vented panels.
- .3 Install soffit, accessories, and trim in strict accordance with manufacturer's printed instructions.
- .4 Scribe and cut as required to neatly fit abutting walls and adjacent surfaces, and to accommodate other materials penetrating through panels.
- .5 Secure panels, accessories, and trim in place, rigid, level, and square.

#### **3.3 ADJUSTING**

- .1 Where minor surface damage has occurred, touch-up by methods recommended by manufacturer. Remove and replace damaged materials that cannot be satisfactorily repaired.

#### **3.4 CLEANING**

- .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment, and clean as specified in Section 01 74 00 – Cleaning and Waste Management.
- .2 Where necessary, remove dirt and other contaminants in accordance with manufacturer's cleaning instructions.

**END OF SECTION**