

SECTION 09 78 25
LAMINATED FILM PVC INTERIOR WALL PANELING

Part 1 General

1.1 SECTION INCLUDES

- A. 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 interior walls.

1.2 REFERENCES

- A. American Architectural Manufacturers Association (AAMA):
 - .1 AAMA 307-16, Voluntary Specification for Laminates Intended for Use on AAMA Certified Profiles.
- B. German Institute for Standardization (DIN):
 - .1 DIN EN ISO 4593, Plastics - Film and Sheeting - Determination of Thickness by Mechanical Scanning.

1.3 ACTION SUBMITTALS

- A. Product data: Submit manufacturer's printed product literature, specifications and data sheets in accordance with Section [01 33 00 - Submittal Procedures] [____].
- B. Samples:
 - .1 Submit samples [in accordance with Section [01 33 00 - Submittal Procedures] [____]].
 - .2 [Submit color samples for color/pattern selection]. Submit duplicate samples of actual paneling material, full profile width x [8"] [____] long, of specified color/pattern and profile.
 - .3 [Submit samples of all exposed accessories and trims].
- C. Installation Instructions: Submit manufacturer's printed installation instructions.
- D. Installer Qualifications: Submit proof of installer compliance with installer qualifications specified under Quality Assurance.
- E. 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

- A. Submit in accordance with Section [01 78 00 – Closeout Submittals] [____].
- B. Maintenance Data: Submit manufacturer's printed instructions for cleaning and repair procedures. Include names and contact information of Product manufacturer and installer.

- C. Warranty Documentation: Submit manufacturer's warranty.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Submit in accordance with Section [01 78 00 – Closeout Submittals] [____].
- B. Supply:
 - .1 One manufacturer's touch-up pen for each color of paneling 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.
- C. Package materials with protective coverings and label.

1.6 QUALITY ASSURANCE

- A. Test Reports: Submit certified test reports showing Product compliance with specified performance characteristics and physical properties.
- B. Installer Qualifications: Minimum [one] [three] [____] year[s] experience installing specified Products or similar products, on projects of similar size to this Project.
- C. Pre-Installation Meeting: Conduct pre-installation meeting to verify installation requirements, manufacturer's installation instructions, and manufacturer's warranty requirements.
- D. Mock-Up: In accordance with Section [01 40 90 – Quality Requirements] [____].
 - .1 Construct a [____] x [____] mock-up of paneling 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

- A. Comply with manufacturer's instructions.

1.8 WARRANTY

- A. 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 from date of Substantial Completion.
 - .2 Against unreasonable discoloration for 15 years from the date of Substantial Completion.

Part 2 Products**2.1 MANUFACTURER**

- A. ChamClad by Chameleon Wrapping & Lamination Ltd., 10235 – 184 St., Edmonton, Alberta, Canada, T5S 2J4. chamclad.com Ph. 780-454-4430.
- B. [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

- A. Rigid, extruded, interlocking PVC panels with hollow core profile and factory laminated PVC film.
- B. Panel Profiles: Nominally [4"] [6"] [12"] wide x 3/8" thick.
- C. Panel Lengths: [maximum standard lengths to minimize joints] [custom lengths to minimize joints and minimize waste].
- D. Color/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].
- E. Accessories and Trims: finishing trim, [outside corner] [casing] [baseboard] [crown molding] [J trim] [H trim] [F trim] [inside corner], [matching color/pattern to wall paneling] [contrasting color for finishing trim as indicated on Drawings in [____] color/pattern] pre-punched nailing strips, [maximum standard lengths to minimize joints] [custom lengths to minimize joints and minimize waste].
- F. Fasteners: [galvanized] [stainless] steel.

2.3 PERFORMANCE CRITERIA

- A. PVC Film: to AAMA 307-16 and as follows:
 - .1 Thickness: 160 to 195 micrometres when tested to DIN EN ISO 4593.
 - .2 Chemical Resistance to Muriatic Acid and Mortar: No blistering or visible change when tested to AAMA 307-16.
 - .3 Detergent Resistance: No film adhesion loss or visible change when tested to AAMA 307-16.
 - .4 UV Exposure: Meets AAMA 307-16.

Part 3 Execution

3.1 VERIFICATION OF CONDITIONS

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

3.2 INSTALLATION

- A. Install wall panels [horizontally] [vertically] [diagonally] [as indicated on Drawings] [for [U-Channel] [V-Groove] appearance].
- B. Install wall panels, accessories, and trim in strict accordance with manufacturer's printed instructions.
- C. Scribe and cut as required to neatly fit abutting walls, ceilings, and adjacent surfaces, and to accommodate other materials penetrating through panels.
- D. Secure panels, accessories, and trim in place, rigid, plumb, and square.

3.3 ADJUSTING

- A. 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

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

END OF SECTION