

SECTION 07624

ALUMINUM WALL PLANK PANEL

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Aluminum Wall Plank Panel.
- B. Aluminum trim and accessories.

1.2 RELATED SECTIONS

- A. Section 05400 - Cold-Formed Metal Framing: Metal framing for support of aluminum soffits.
- B. Section 06100 - Rough Carpentry: Wood stud framing, furring, and sheathing for support of aluminum soffits.
- C. Section 07210 - Building Insulation: Rigid thermal insulation installed behind siding.
- D. Section 07450 - Siding and Roofing Panels.
- E. Section 07600 - Flashing and Sheet Metal: Sheet metal gutters and downspouts.
- F. Section 07900 - Joint Sealers: Sealants used in conjunction with aluminum siding installation.

1.3 REFERENCES

- A. ASTM D 958 - Practice for Determining Temperatures of Standard ASTM Molds for Test Specimens of Plastics.
- B. AAMA 2605-05 - Voluntary Specification, Performance requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.
- C. AAMA 2604 - Voluntary Specification, Performance requirements and Test Procedures for High Performing Organic Coatings on Aluminum Extrusions and Panels.
- D. AAMA 2603 - Voluntary Specification, Performance requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.

- C. LEED Submittals: Provide documentation of how the requirements of Credit will be met:
 - 1. Innovation: Product data and certification letter indicating how exterior powder coatings support Innovation LEED credit.
 - 2. No Volatile Organic Compounds: Product data and certification letter indicating that powder paint do not contribute to air pollution/ozone depletion and complies with environmental regulations.
 - 3. Chrome Free Pre-treatment: Product data and certification letter indicating that your process does not contain chromates, cyanides or heavy metals
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, two samples, minimum size 2 inches (51 mm) by 3-1/2 inches (89 mm), representing actual product, color, and gloss.
- F. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- G. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic cleaning and maintenance of components.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum five years experience producing aluminum finishes of the types specified and AAMA 2604 & AAMA 2605 Certified.
- B. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship, color, and gloss are approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Package and store products under cover in manufacturer's unopened packaging until ready for transport and installation.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not fabricate products under environmental conditions outside manufacturer's absolute limits.

1.8 WARRANTY

- A. Paint coater's limited 10 year warranty against cracking, peeling, including gloss and color retention.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Keith Panel Systems, Tel (604) 987-4499 Fax (604) 987-4742,
Email: mail@keithpanel.com. Basis of Design for performance and appearance.

2.2 MATERIALS

- A. Extruded (or formed) Aluminum Profiles: Keith Panel Systems 'Plank Profile.'
 - 1. Thickness: 1.5mm or 2mm as recommended by fabricator for application
 - 2. Sizing:
 - a. Width: 8" (extruded) or 8" to 18" formed
 - b. Length:
 - 1) Max. 10 feet.
 - 3. Accessories:
 - a. Vent strips as required.
- B. Acceptable finishes
 - 1. Powder coating that complies with AAMA 2605 (or AAMA 2604 if acceptable for project application).
 - a. Woodgrain finishes to be Decoral System.
 - 2. Spray applied and baked on Duranar/Kynar that complies with ASTM D2244-02 and AAMA 2605.
 - 3. Finish to be selected from coater's standard range *[Name finish here]*
- B. Substitutions: Not permitted without written approval 2 weeks before bid close.

2.3 FABRICATION

- A. Prepare surfaces, pre-treat and coat components in accordance with AAMA 2604 and 2605 Quality Standards and applicable European standards for the coating material specified.
- B. Wrap and package coated components using methods suitable for transit and covered site storage without damage.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until colors have been verified.
- B. If preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the material under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install soffits, and accessories in accordance with best practice, with all joint members plumb and true.

3.4 FIELD QUALITY CONTROL

- A. After installation of soffits, check entire surface for obvious flaws or defects.
- B. Replace and repair any problem areas, paying close attention to the substrate for

causes of the problem.

3.5 CLEANING

- A. After application of soffits, clean as necessary to remove all fingerprints and soiled areas.
- B. Upon completion of soffit application, clean entire area, removing all scrap, packaging, and unused materials related to this work.

3.6 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

3.7 SCHEDULES

- A. :
- B. :

END OF SECTION