

SECTION 06 6123 – DECORATIVE PLASTIC LAMINATE WALL PANELS

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Work results specified in this Section includes the following items as indicated:
 - 1. Interior decorative plastic laminate rigid panles.
 - 2. Mastic and selants.
- B. Related sections:
 - 1. Section 06 4116 “Plastic-Laminate Clad Architectural Cabinets.
 - 2. Section 12 3216 “Manufactured Plastic-Laminate Clad Casework.
 - 3. Section 12 3623 “Countertops”; for countertops of synthetic materials.

1.03 SUBMITTALS

- A. Product Data:
 - 1. Product data for each specified product. Include manufacturer’s technical data sheets and published instruction instructions.
- B. Shop Drawings: Each installation.
 - 1. Anchorages to other construction, including requirements for concealed supports.
 - 2. Use same unit designations used on Drawings.
- C. Samples for Selection:
 - 1. Available finish colors.
- D. Verification Samples: 12-inch length of typical framing member in specified finish.
 - 1. Plastic-laminate-clad panels, not less than 8 by 10 inches (200 by 250 mm), for each type, color, pattern, and surface finish[, with separate samples of unfaced panel product used for core].
 - 2. Thermoset decorative-overlay-surfaced panels, not less than 8 by 10 inches (200 by 250 mm), for each type, color, pattern, and surface finishProduct Data: For each type of process and factory-fabricated product. Include construction details, material descriptions, dimensions of individual components and profiles, textures, and colors.
- E. Qualification Data: For fabricator and installer.
- F. Product Certificates: For the following:
 - 1. Thermoset decorative panels.

2. High-pressure decorative laminate.
3. Adhesives.

G. Evaluation Reports: For fire-retardant-treated materials, from ICC-ES.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in fabricating and installing decorative plastic laminate finished work with a minimum 3 years experience.
- B. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful inservice performance with a minimum 3 years experience.
- Installer Qualifications: A qualified installer.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Package and ready materials according to manufacturer's instructions.
- B. Do not deliver components until Project is fully enclosed.
- C. Store products inside building protected from light, heat and moisture and never store in contact with floor or outside wall surfaces. Do not expose to continuous direct sunlight.
- D. Store horizontally, face-to-face and back-to-back with the top sheet turned face down.
- E. Sheets must be handled by sliding when possible.
- F. Stored at a temperature not less than 60 degrees F (16 degrees C) and a relative humidity not less than 40 percent.
- G. Provide protective coverings of suitable material. Take special precautions at corners.

1.06 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install interior finish carpentry until building is enclosed and weatherproof, wet work in space is completed and nominally dry, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.
- B. Coordinate sizes and locations of cut-outs and related items penetrating or mounted to interior plastic-laminate wall panels are correctly located and supported by blocking or metal studs.

PART 2 - PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: Provide decorative plastic laminate with the following surface burning characteristics as determined by testing identical products per ASTM E 84 by UL or another testing and inspecting agency acceptable to authorities having jurisdiction: 1. Flame-Spread Index: 25 or less. 2. Smoke-Developed Index: 450 or less.
- B. Source Limitations: Obtain decorative plastic laminate materials through one source from a single manufacturer.

2.02 INTERIOR DECORATIVE PLASTIC-LAMINATE WALL PANELS

- A. Basis-of-Design: Formica: HardStop™ Panels: “# 5875 Neutral Weft” face laminate, matt finish, Grade H1.
 - 1. Description: Decorative protection panels.
 - a. Impact resistant panels.
 - 2. Panel Core Material: Treated fiberglass core. Class A Fire-rated.
- B. Comparable products by other manufacturers acceptable to the Architect.

2.03 OTHER MATERIALS

- A. Adhesives:
 - 1. Bonding Laminate: Franklin Advanced Polymer adhesive recommended. Manufacturer’s installantion instructions for recommended adhesive by substrate type.
 - 2. Sealant: Color Coordinated Sealant: 100% siliconecaulk material by Color-Rite Incorporated; or comparable color coordinate sealant recommended in writing by the plastic-laminate wall panel manufacturer for the substrate and usage indicated.

2.04 FABRICATION

- A. Fabricate plastic-laminated decorative wall panels smooth and flat with true dimensions.
- B. Finished panels shall be without burns, ragged edges, or other defects:

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Clean substrates of projections and substances detrimental to application.
- B. Before installing plastic-laminate decorative wall panels, condition materials to average prevailing humidity in installation areas for a minimum of 24 hours, unless longer conditioning is recommended by manufacturer.

3.03 INSTALLATION, GENERAL

- A. Do not use materials that are unsound, warped, improperly treated or finished.
- B. Install plastic-laminate decorative wall panels plumb, true, and aligned with adjacent materials.
- C. Maintain even light pressure on plastic-laminate decorative wall panels until mastic adhesive has fully set.
- D. Fill joint with color coordinated sealant with a flat even bead.

END OF SECTION