

**SECTION 06 05 60**  
**DECORATIVE PLASTIC LAMINATE**

**PART 1 - GENERAL**

1.1 SUMMARY

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section Includes:
  - 1. **[Standard decorative laminate] [Solid color decorative laminate] [Metal laminates] [Fire rated decorative laminates] [Chemical resistant decorative laminate] [Wood surfacing decorative laminate]** surfacing for finishing **[casework] [millwork] [countertops] [toilet partitions] [walls]** [**<add surfaces to be finished>**] as indicated, including accessories and trim needed for a complete installation.

1.2 RELATED WORK

- A. Work of this section is related to work specified in the following sections:
  - 1. Division 6 Section "Finish Carpentry".
  - 2. Division 6 Section "Interior Architectural Woodwork".
  - 3. Division 10 Section "Toilet Partitions".
  - 4. Division 12 Section **["Institutional Casework"] ["Residential Casework"] ["Laboratory Casework"]**.
  - 5. Division 16 Section **["Plumbing Fixtures"]**.
- B. Allowances: Furnish the following under the allowances indicated as specified in Division 1 Section "Allowances":
  - 1. **[<Insert work to be included under an allowance>]**
- C. Alternates: Refer to Division 1 Section "Alternates" for description of Work in this Section affected by alternates.

1.3 REFERENCES

- A. Reference Standards: In addition to requirements, comply with applicable provisions of following for design, materials, fabrication, and installation of component parts:
  - 1. NEMA LD3-1995.

1.4 SUBMITTALS

- A. Product Data: Manufacturer's technical literature for decorative plastic laminate material, adhesive for bonding plastic laminate, miscellaneous accessories and related components.
- B. Samples:
  - 1. Decorative plastic laminates, 5 by 7 inches (125 by 175 mm), for each type, color, pattern, and surface finish **[with 1 sample applied to core material] [and specified edge material applied to 1 edge]**.
- C. Product **[Schedule]**: For decorative plastic laminate materials. **[Use same designations indicated on Drawings.]**

- D. Informational Submittals: Submit following packaged separately from other submittals:
1. Manufacturer's written handling, storage and installation instructions.

#### 1.5 QUALITY ASSURANCE

- A. Fabricator/Installer Qualifications: Company specializing in fabricating and installing decorative plastic laminate finished work with a minimum 3 years experience.
- B. Source Limitations: Obtain decorative plastic laminate materials through one source from a single manufacturer.
- C. 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.
- D. Mockups: Build mockups to **[verify selections made under sample Submittals and to demonstrate aesthetic effects][and qualities of materials and execution][set quality standard for fabrication and installation]**.

#### 1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store, handle, and protect materials in accordance with manufacturer's written instructions.
1. Provide protective coverings of suitable material. Take special precautions at corners.

#### 1.7 SEQUENCING

- A. Coordinate sizes and locations of plumbing, cut-outs and other related Work specified in other Sections to ensure that interior architectural woodwork can be supported and installed as indicated.

### PART 2 - PRODUCTS

#### 2.1 PRODUCTS AND MANUFACTURERS

- A. Acceptable Manufacturer: Formica Corp., 10155 Reading Road, Cincinnati, OH. 45241 (513-786-3400).

#### 2.2 MATERIALS AND COMPONENTS

- A. Decorative Plastic Laminate: Manufacturers standard and custom decorative surface papers with melamine resins, bonded under heat and pressure to kraft paper backing sheet with phenolic resins.
- B. Standard Decorative Laminate – General Purpose Type **[Decorative Laminate] [Cabinet Liner] [Backing Sheet]**:
1. Grade: **[Grade 10, HGS] [Grade 51, HGS] [Grade 12, HGP] [Grade 52, HGP] [VGP] [CLS] [BKL] [BKH]**.
  2. Thickness:  **[.048 Inches (1.2mm)] [.050 Inches (1.2mm)] [.039 Inches (1.0mm)] [.028 Inches (0.7mm)] [.020 Inches (0.5mm)] [.048 Inches (1.2mm)]**.
  3. Surface burning characteristics in accordance with ASTM E84.
  4. Finish:
  5. Colors and Patterns: **[As indicated by manufacturer's designations] [Match Architect's samples] [As selected by Architect from manufacturer's full range]**.
- C. Solid Color Decorative Laminate:
1. Grade: **[Grade 41, HCS] [Grade 43, HCS]**.
  2. Thickness:  **[.051 Inches (1.3 mm)] [.062 Inches (1.6 mm)]**.
  3. Surface burning characteristics in accordance with ASTM E84.

4. Finish:
  5. Colors and Patterns: **[As indicated by manufacturer's designations] [Match Architect's samples] [As selected by Architect from manufacturer's full range].**
- D. Fire Rated [**Decorative Laminate**] [**Cabinet Liner**] [**Backing Sheet**]:
1. Grade: [**HGF**] [**VGF**] [**BLF**] [**BCF**].
  2. Thickness: [**.048 Inches (1.2 mm)**] [**.032 Inches (0.8mm)**] [**.028 Inches (0.7mm)**].
  3. Surface burning characteristics in accordance with ASTM E84 or UL723.
  4. Finish:
  5. Colors and Patterns: **[As indicated by manufacturer's designations] [Match Architect's samples] [As selected by Architect from manufacturer's full range].**
- E. Chemical Resistant Decorative Laminate:
1. Grade: [**Grade 25, "Post Forming Grade**]
  2. Thickness:
  3. Surface burning characteristics in accordance with ASTM E84.
  4. Finish:
  5. Colors and Patterns: **[As indicated by manufacturer's designations] [Match Architect's samples] [As selected by Architect from manufacturer's full range].**
- F. Metal Laminate:
1. Grade: [**Grade 82**] [**Grade 83**] [**Grade 84**] [**Grade 85**] [**Grade 86**].
  2. Thickness: [**.025 Inches (0.7mm)**] [**.030 Inches (.08mm)**] [**.040 Inches (1.0mm)**] [**.050 Inches (1.3mm)**]
  3. Sheet Size: [**4 Foot x 8 Foot**] [**4 Foot x 10 Foot**]
  4. Surface burning characteristics in accordance with ASTM E84.
  5. Finish:
  6. Colors and Patterns: **[As indicated by manufacturer's designations] [Match Architect's samples] [As selected by Architect from manufacturer's full range].**
- G. Wood Surfacing Decorative Laminate:
1. Grade: [**ALN**] [**ALP**] [**PREFINISHED**].
  2. Sheet Size: [**4 Foot x 8 Foot**] [**3 Foot x 8 Foot**]
  3. Colors and Patterns: **[As indicated by manufacturer's designations] [Match Architect's samples] [As selected by Architect from manufacturer's full range].**
- H. Edges: [**Grade HGS**] [**PVC tape, 0.018-inch (0.460-mm) minimum thickness, matching laminate in color, pattern, and finish**] [**PVC T-mold matching laminate in color, pattern, and finish**] [**PVC edge banding, 0.12 inch (3 mm) thick, matching laminate in color, pattern, and finish**].
- 2.3 ACCESSORY MATERIALS
- A. Adhesive for Bonding Plastic Laminate: [**Unpigmented contact cement**] [**Contact cement**] [**PVA**] [**Urea formaldehyde**] [**Resorcinol**].

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION AND PREPARATION**

- A. Examine surfaces for conditions that would adversely affect decorative plastic laminate surfacing.

### **3.2 INSTALLATION**

- A. General: Install decorative plastic laminate in accordance with manufacturer's written installation instructions, approved Submittals and requirements of [**Division 6 Section "Finish Carpentry"**] [**Division 6 Section "Interior Architectural Woodwork"**] [**Division 10 Section "Toilet Partitions"**] [**Division 12 Section ["Institutional Casework"] ["Residential Casework"] ["Laboratory Casework"]**].

- 1. Provide templates and rough-in measurements.

### **3.3 CLEANING AND PROTECTION**

- A. Cleaning:

- 1. Clean decorative plastic laminate surfaces in accordance with manufacturer's instructions.

- B. Protection:

- 1. Do not permit construction near unprotected surfaces.

**END OF SECTION**