

FORMICA® GUIDE SPECIFICATIONS



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] [moldings] 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 LD3-2005.

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.

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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 12, HGP] [Grade 20, VGP] [CLS] [BKH].
2. Thickness: [.045 Inches (1.1mm)] [.035 Inches (0.9mm)] [.026 Inches (0.7mm)] [.020 Inches (0.5mm)] [.030 Inches (0.8mm)].
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 CC, HCS]
2. Thickness: [.040 Inches (1.02 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: [Grade 32, VGF] [Grade 50, HGF].
2. Thickness: [.030 Inches (0.8 mm)] [.045 Inches (1.1 mm)].
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 A3, Post Forming Grade]
2. Thickness: [.038 Inches (1.0 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].

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. Edge Molding:

Grade: [Grade 12, HGP]

Profile thickness: [1.25" Ogee and Bullnose]

Size/Profile: [A12, Ogee] [B12, Bullnose]

Finish:

Colors and Patterns: [As indicated by manufacturer's designations] [Match Architect's samples] [As selected by Architect from manufacturer's full range].

H. Edge Banding: [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

Adhesive for Bonding Plastic Laminate: [Unpigmented contact cement] [Contact cement] [PVA] [Urea formaldehyde] [Resorcinol].

Adhesive for Bonding Edge Molding: Provide type as specified in manufacturer's written installation instructions

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PART 3 – EXECUTION

3.1 EXAMINATION AND PREPARATION

A. Examine surfaces for conditions that would adversely affect decorative plastic laminate surfacing or edge performance.

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.

Edge Molding: Install in accordance with manufacturer's written installation instructions.

3.3 CLEANING AND PROTECTION

A. Cleaning:

1. Clean decorative plastic laminate surfaces and edge moldings in accordance with manufacturer's instructions.

B. Protection:

1. Do not permit construction near unprotected surfaces.

END OF SECTION