



Specifier General Notes:

This Formica Corporation guide specification covers the basic line of Formica Plastic Laminate Products for interior applications.

The purpose of this guide specification is to provide a laminate specification section that incorporates ALL the laminate types for any given project to be included in the project manual or sheet specification. This too could serve as text to "drop-into" laminated related specification sections.

Formica® Brand products support conservation, green design and building practices and may contribute toward many sustainability initiatives including LEED (Leadership in Energy and Environmental Design) building certifications.

Consult Formica Corporation, <http://www.formica.com/en/us> for assistance in using this guide specification for additional information not included, such as recommended laminate substrates, the latest colors, finishes, fabrication methods and project applications.

Updated: January 2019.

SECTION 06 05 13 – DECORATIVE PLASTIC LAMINATE FINISHES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes the following Laminates:

***Specifier Note:
Select all that apply***

1. [Solid colors.]
2. [Patterns.]
3. [Woodgrains.]
4. [Fire rated.]
5. [DecoMetal®.]
6. [ColorCore®2.]
7. [ColorCore®2 Compact.]
8. [Formica Infiniti.™]
9. [Formica Infiniti™ ColorCore®2.]
10. [Formica® Compact.]



11. [Cabinet liners.]
12. [Dry-Erase markerboard writing surfaces.]
13. [Dry-Erase chalkboard writing surfaces.]
14. [Magnetic markerboard writing surfaces.]
15. [Non-Décor Magnetic Board.]
16. [Architectural Doors Program.]
17. [HardStop™ Decorative Protection Panels.]

B. Related Requirements:

Specifier Note:
Select all that apply

1. [Division 06 Interior Finish Carpentry.]
2. [Division 06 Exterior Finish Carpentry.]
3. [Division 06 Plastic-Laminate-Faced Architectural Cabinets.]
4. [Division 06 Plastic-Laminate-Faced Wood Paneling.]
5. [Division 06 Interior Architectural Woodwork.]
6. [Division 06 Exterior Architectural Woodwork.]
7. [Division 08 Plastic-Laminate-Faced Wood Doors.]
8. [Division 08 Flush Wood Doors.]
9. [Division 10 Plastic-Laminate-Clad Toilet Compartments.]
10. [Division 10 Decorative Protection Panels.]
11. [Division 12 Manufactured Plastic-Laminate-Faced Casework.]
12. [Division 12 Residential Casework.]
13. [Division 12 Plastic-Laminate Laboratory Casework.]
14. [Division 12 Plastic-Laminate-Clad Countertops.]
15. [Division 12 Plastic-Laminate-Clad Case Goods.]

1.2 REFERENCES

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



1. ANSI / NEMA LD-3: High Pressure Decorative Laminates.
2. ASTM E 84: Standard Test Method for Surface Burning Characteristics of Building Materials.

Specifier Note:
Select all that apply

3. [ASTM E 162: Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source.]
4. [FSC: Forest Stewardship Council.]
5. [IMO FTP: International Code for Application of Fire Test Procedures.]
6. [IMO FTP Code Part 2: Smoke and Density Test.]
7. [IMO FTP Code Part 5: Test for Surface Flammability.]
8. [ISO: International Organization for Standardization.]
9. [ISO 9001: Quality Management Systems.]
10. [ISO 14021: Environmental Management Systems.]
11. [ISO 4586: Specifies the methods of test for determination of the properties of High-Pressure Decorative Laminates (HPL, HPDL).]
12. [LEED: Leadership in Energy and Environmental Design.]
13. [NFPA 101: Life Safety Code.]
14. [NSF 35: High Pressure Decorative Laminates for Surfacing Food Service Equipment.]
15. [Architectural Woodwork Quality Standards.]
16. [SEFA 8.1 Approved.]
17. [ASTM G 21 Approved.]
18. [JIS Z 2801 Approved.]
19. [ASTM D 4250 Water holding (Anti-fingerprint).]

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

Specifier Note:
Retain following article / paragraphs if required for any sustainable requirements. Add additional sustainable requirements not listed. Check also manufacturer's website for current information.

1.4 ACTION 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 standard framing 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 finish.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For fabricator and installer.
- B. Product Certificates: For the following:
 - 1. Thermoset decorative panels.
 - 2. High-pressure decorative laminate.
 - 3. Adhesives.
- C. Evaluation Reports: For fire-retardant-treated materials, from ICC-ES.

Specifier Note:

Retain following article / paragraphs if required for any sustainable requirements. Add additional sustainable requirements not listed. Check also manufacturer's website for current information.

1.6 SUSTAINABLE DESIGN SUBMITTALS

- A. **General: Products in this section may also be required to comply with sustainability requirements described in Division 01 General Requirements including, but not limited to, the following:**
 - 1. **GREENGUARD Certification.**
 - 2. **Recycled Content.**
 - 3. **Carbon Reduction.**
 - 4. **FSC Chain of Custody Certification.**
 - 5. **TVOC (Total Volatile Organic Compounds).**



6. **Total Aldehydes.**
 7. **Formaldehyde.**
 8. **Life Cycle Analysis (LCA) or Durability.**
 9. **Waste Management.**
- B. [Building Product Disclosure and Optimization – Environmental product declarations - environmental product declaration (EPD).]**
- C. [Building Product Disclosure and Optimization – Material Ingredients - Health Product Declaration (HPD).]**
- D. [LEED Rating System Requirements:**
1. **Potential Credits for Plastic Laminates:**
 - a. **MR Credit 4, Recycled Content.**
 - b. **MR Credit 5, Regional Materials.**
 - c. **MR Credit 7, Certified Wood.**
 - d. **IEQ Credit 4.5, Low-Emitting Materials.]**
 2. **[Potential Credits for Adhesives:**
 - a. **IEQ Credit 3.2, Construction Indoor Air Quality.**
 - b. **IEQ Credit 4.1, Low Emitting Materials, Adhesives.**
 - c. **IEQ Credit 4.4, Low Emitting Materials, Adhesives, Composite wood and Agrifiber products.**
 - d. **IEQ Credit 4.5 Low Emitting Materials.]**
- E. [Enterprise Green Communities criteria for building certification.]**
- F. [Green Globes Sustainable Interiors criteria for building certification.]**
- G. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.**
- H. Product Certificates: For materials manufactured within 500 miles (800 km) of Project, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project and cost for each raw material.**
- I. Chain-of-Custody Certificates: For certified wood products. Include statement of costs.**
- J. Chain-of-Custody Qualification Data: For manufacturer and vendor.**
- K. Laboratory Test Reports: For adhesives, indicating compliance with requirements for low-emitting materials.**



- L. **Laboratory test reports for IEQ 4.1 that indicate compliance with testing and product requirements of California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."**

1.7 CLOSEOUT SUBMITTALS

- A. Maintenance Data: Manufacturer's written maintenance instructions.
- B. Manufacturer warranties transferrable to Owner.

1.8 QUALITY ASSURANCE

- A. Installer 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 in-service performance with a minimum 3 years experience.

Specifier Note:

If project size or complexity justifies cost for Mock-up(s) they can be specified here. Sample text below is for general projects that have full room mockups, such as hospital and hospitality projects.

- C. Mock-Ups:
 - 1. Build mockups to verify selections made under submittals and to demonstrate aesthetic effects, set quality for materials and construction, set quality standard for fabrication and installation.
 - 2. Acceptable mock-ups may remain as part of the Work if undamaged at time of Substantial Completion.
 - 3. Acceptable mock-ups shall be comparison standard for remaining Work.

1.9 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.

1.10 PROJECT CONDITIONS

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

PART 2 - PRODUCTS

2.1 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.

2.2 MANUFACTURER

- A. Manufacturer:
 - 1. Basis of Design: Formica Corporation.
 - a. Contact: <http://www.formica.com/en/us>

2.3 PLASTIC LAMINATE PRODUCTS

- A. Formica® Brand
 - 1. Description:
 - a. General purpose laminate - Solid Colors.
 - 2. Laminate Grade:



Specifier Note:

Select grade(s) for the project. Some grades may come in certain specific colors and sizes.

- a. [Grade 10, HGS - 0.044 Inches (1.1 mm).]
 - b. [Grade 12, HGP - 0.035 Inches (0.9 mm).]
 - c. [Grade 20, VGP or CLS - 0.027 Inches (0.7 mm).]
3. Laminate Color(s):

Specifier Note:

Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
 - b. [Match Architect's samples.]
 - c. [As selected by Architect from manufacturer's line of available colors.]
 - d. [Laminate Color (include here if not on Drawings).]
 - e. [Laminate Color (include here if not on Drawings).]
4. Laminate Finish:

Specifier Note:

Select location of finish information or Select finish selection(s) for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available finishes.]
- d. [Laminate Finish (include here if not indicated on Drawings).]
- e. [Laminate Finish (include here if not indicated on Drawings).]
- f. [-58 Matte, 12.]
- g. [-58 Matte, 20.]
- h. [-90 Gloss, 12.]
- i. [-90 Gloss, 20.]
- j. [-NG Natural Grain, 12.]
- k. [-NG Natural Grain, 20.]
- l. [-PA Paper, V4.]
- m. [-PA Paper, V5.]
- n. [-PX Plex, 12.]
- o. [-PX Plex, 20.]
- p. [-PX Plex, V4.]
- q. [-90 Gloss, V4.]
- r. [-PX Plex, V5.]
- s. [-90 Gloss, V5.]
- t. [-PG Pure Grain, 12.]
- u. [-PG Pure Grain, 20.]
- v. [-WR Woodbrush, 12.]



w. [-WR Woodbrush, 20.]

5. Laminate Application(s):

Specifier Note:
Select application(s) for the project.

- a. [Interior Finish Carpentry.]
- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Plastic-Laminate-Faced Wood Paneling.]
- d. [Interior Architectural Woodwork.]
- e. [Plastic-Laminate-Clad Toilet Compartments.]
- f. [Manufactured Plastic-Laminate-Faced Casework.]
- g. [Residential Casework.]
- h. [Plastic-Laminate Laboratory Casework.]
- i. [Plastic-Laminate-Clad Countertops.]
- j. [Plastic-Laminate-Clad Case Goods.]

B. Patterns

- 1. Description:
 - a. General purpose laminate - Patterns.
- 2. Laminate Grade:

Specifier Note:
Select grade(s) for the project. Some grades may come in certain specific colors and sizes.

- a. [Grade 10, HGS - 0.044 Inches (1.1 mm).]
- b. [Grade 12, HGP - 0.035 Inches (0.9 mm).]
- c. [Grade 20, VGP or CLS - 0.027 Inches (0.7 mm).]

3. Laminate Color(s):

Specifier Note:
Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available colors.]
- d. [Laminate Color (include here if not on Drawings).]
- e. [Laminate Color (include here if not on Drawings).]

4. Laminate Finishes:



Specifier Note:

Select location of finish information or Select finish selection(s) for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available finishes.]
- d. [Laminate Finish (include here if not indicated on Drawings).]
- e. [Laminate Finish (include here if not indicated on Drawings).]
- f. [-58 Matte, 12.]
- g. [-58 Matte, 20.]
- h. [-58 Matte, V4.]
- i. [-58 Matte, V5.]
- j. [-90 Gloss, 12.]
- k. [-90 Gloss, V4.]
- l. [-90 Gloss, V5.]
- m. [-34 Scovato, 12.]
- n. [-43 Artisan, 12.]
- o. [-46 Etchings, 12.]
- p. [-BH Brush, 12.]
- q. [-BH Brush, 20.]
- r. [-NG Natural, Grain 12.]
- s. [-NG Natural, Grain 20.]
- t. [-NT Naturelle, 12.]
- u. [-NT Naturelle, 20.]
- v. [-PX Plex, 12.]
- w. [-PX Plex, 20.]
- x. [-RD Radiance, 12.]

5. Laminate Application(s):

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Plastic-Laminate-Faced Wood Paneling.]
- d. [Interior Architectural Woodwork.]
- e. [Plastic-Laminate-Clad Toilet Compartments.]
- f. [Manufactured Plastic-Laminate-Faced Casework.]
- g. [Residential Casework.]
- h. [Plastic-Laminate Laboratory Casework.]
- i. [Plastic-Laminate-Clad Countertops.]
- j. [Plastic-Laminate-Clad Case Goods.]



C. Woodgrains

1. Description:
 - a. General purpose laminate - Woodgrains.
2. Laminate Grade(s):

Specifier Note:

Select grade(s) for the project. Some grades may come in certain specific colors and sizes.

- a. [Grade 12, HGP - 0.035 Inches (0.9 mm).]
 - b. [Grade 20, VGP or CLS - 0.027 Inches (0.7 mm).]
3. Laminate Color(s):

Specifier Note:

Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
 - b. [Match Architect's samples.]
 - c. [As selected by Architect from manufacturer's line of available colors.]
 - d. [Laminate Color (include here if not on Drawings).]
 - e. [Laminate Color (include here if not on Drawings).]
4. Laminate Finishes:

Specifier Note:

Select location of finish information or Select finish selection(s) for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available finishes.]
- d. [Laminate Finish (include here if not indicated on Drawings).]
- e. [Laminate Finish (include here if not indicated on Drawings).]
- f. [-58 Matte, 12.]
- g. [-58 Matte, 20.]
- h. [-43 Artisan, 12.]
- i. [-43 Artisan, 20.]
- j. [-NG Natural Grain, 12.]
- k. [-NG Natural Grain, 20.]
- l. [-NT Naturelle, 12.]
- m. [-NT Naturelle, 20.]
- n. [-WR Woodbrush, 12.]
- o. [-WR Woodbrush, 20.]
- p. [-PG Pure Grain, 12.]
- q. [-PG Pure Grain, 20.]



5. Laminate Application(s):

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Plastic-Laminate-Faced Wood Paneling.]
- d. [Interior Architectural Woodwork.]
- e. [Plastic-Laminate-Clad Toilet Compartments.]
- f. [Manufactured Plastic-Laminate-Faced Casework.]
- g. [Residential Casework.]
- h. [Plastic-Laminate Laboratory Casework.]
- i. [Plastic-Laminate-Clad Countertops.]
- j. [Plastic-Laminate-Clad Case Goods.]

D. Fire-Rated

1. Description:

- a. Formica Brand fire-rated laminate. Melamine-impregnated decorative surface papers combined with special fire retardant phenolic-treated kraft paper.
- b. Laminate Limitations:
 - 1) Shall not be used in areas where temperatures exceed 275 degrees F (135 degrees C) for prolonged periods of time, or for exterior applications.
 - 2) Finished panel width for Grade 32/VGF should not exceed 24-inches maximum or 16-inches maximum in areas of prolonged exposed to dry conditions.
 - 3) Contact adhesives are not recommended for use with Grade 32/VGF.
- c. Laminate Substrate: Fire-Rated Particleboard (FRPB) or Inorganic Reinforced Cement Board (IRCB), bearing the Classification mark I(A) of Underwriters' Laboratories, Inc. for flame spread and smoke development.

2. Laminate Grade(s):

Specifier Note:

Select grade(s) for the project. Some grades may come in certain specific colors and sizes.

- a. [Grade 32, VGF - 0.029 Inches (0.7 mm).]
- b. [Grade 50, HGF - 0.045 Inches (1.1 mm).]
- c. [Grade 87, BLF (Backing sheet) - 0.026 Inches (0.8 mm).]
- d. [Grade 89, BGF (Backing sheet) - 0.051 Inches (1.2 mm).]

3. Laminate Color(s):



Specifier Note:

Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
 - b. [Match Architect's samples.]
 - c. [As selected by Architect from manufacturer's line of available colors.]
 - d. [Laminate Color (include here if not on Drawings).]
 - e. [Laminate Color (include here if not on Drawings).]
4. Laminate Finishes:

Specifier Note:

Select location of finish information or Select finish selection(s) for the project.

- a. [As indicated on Drawings.]
 - b. [Match Architect's samples.]
 - c. [As selected by Architect from manufacturer's line of available finishes.]
 - d. [Laminate Finish (include here if not indicated on Drawings).]
 - e. [Laminate Finish (include here if not indicated on Drawings).]
 - f. [-58 Matte, 32.]
 - g. [-58 Matte, 50.]
 - h. [-00 Natural, 87.]
 - i. [-00 Natural, 89.]
 - j. [Backer sheet- Natural.]
5. Laminate Application(s):

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
 - b. [Plastic-Laminate-Faced Architectural Cabinets.]
 - c. [Plastic-Laminate-Faced Wood Paneling.]
 - d. [Interior Architectural Woodwork.]
 - e. [Plastic-Laminate-Clad Toilet Compartments.]
 - f. [Manufactured Plastic-Laminate-Faced Casework.]
 - g. [Residential Casework.]
 - h. [Plastic-Laminate Laboratory Casework.]
 - i. [Plastic-Laminate-Clad Countertops.]
 - j. [Plastic-Laminate-Clad Case Goods.]
- E. DecoMetal®
1. Description:
 - a. Metal foil and solid metal high pressure laminate.
 - b. Laminate Limitations:



- 1) Shall not be used in areas exposed to water, excessive moisture, constant high humidity, temperatures exceeding 140 degrees F (60 degrees C) for prolonged periods of time or for exterior applications.
- 2) Shall not be used for heavy-duty horizontal applications such as countertops or for use in high heat or moist areas such as backsplashes, behind cooktops or range hoods.

2. Laminate Grade:

Specifier Note:

Select grade(s) for the project. Some grades may come in certain specific colors and sizes.

- a. [Grade 83, (solid metal) 0.025 Inches (0.7 mm).]
- b. [Grade 84, 0.030 Inches (0.8 mm).]
- c. [Grade 85, 0.040 Inches (1.0 mm).]
- d. [Grade 86, 0.050 Inches (1.3 mm).]

3. Laminate Color(s):

Specifier Note:

Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available colors.]
- d. [Laminate Color (include here if not on Drawings).]
- e. [Laminate Color (include here if not on Drawings).]

4. Laminate Finish: 99.

5. Laminate Application(s): Light Duty Horizontal and Vertical.

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Plastic-Laminate-Faced Wood Paneling.]
- d. [Interior Architectural Woodwork.]
- e. [Plastic-Laminate-Clad Toilet Compartments.]
- f. [Manufactured Plastic-Laminate-Faced Casework.]
- g. [Residential Casework.]
- h. [Plastic-Laminate Laboratory Casework.]
- i. [Plastic-Laminate-Clad Countertops.]
- j. [Plastic-Laminate-Clad Case Goods.]

F. ColorCore®2



1. Description:
 - a. Solid color through high pressure laminate. Melamine-impregnated decorative surface papers combined with specially formulated resin-treated kraft paper.
 - b. Laminate Limitations:
 - 1) Not postformable.
 - 2) Shall not be used in areas exposed to temperatures exceeding 275 degrees F (135 degrees C) or for exterior applications.
 - c. Laminate Substrate: 45# density, industrial grade particleboard (CS 236-66; Type 1, Grade B, Class 2) or Medium Density Fiberboard (MDF).
 - 1) Plywood substrate not acceptable.

2. Laminate Grade:

Specifier Note:
Select grade(s) for the project. Some grades may come in certain specific colors.

- a. [Grade CC (HCS), 0.034 Inches (0.86 mm).]
- b. [Grade CD (HCS), 0.034 Inches (0.86 mm).]

3. Laminate Color(s):

Specifier Note:
Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available colors.]
- d. [Laminate Color (include here if not on Drawings).]
- e. [Laminate Color (include here if not on Drawings).]

4. Laminate Finishes:

Specifier Note:
Select location of finish information or Select finish selection(s) for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's sample(s).]
- c. [As selected by Architect from manufacturer's line of available finishes.]
- d. [Laminate Finish (include here if not indicated on Drawings).]
- e. [Laminate Finish (include here if not indicated on Drawings).]
- f. [-58 Matte, CC.]
- g. [-58 Matte, CD.]
- h. [-90 Gloss, CC.]
- i. [-NG Natural Grain, CC.]
- j. [-PX Plex, CC.]



5. Laminate Application(s): Horizontal and Vertical.

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Plastic-Laminate-Faced Wood Paneling.]
- d. [Interior Architectural Woodwork.]
- e. [Plastic-Laminate-Clad Toilet Compartments.]
- f. [Manufactured Plastic-Laminate-Faced Casework.]
- g. [Residential Casework.]
- h. [Plastic-Laminate Laboratory Casework.]
- i. [Plastic-Laminate-Clad Countertops.]
- j. [Plastic-Laminate-Clad Case Goods.]

- G. ColorCore®2 Compact

1. Description:
 - a. Solid color through structural high pressure laminate. Melamine-impregnated decorative surface papers combined with specially formulated resin-treated kraft paper.
2. Laminate Grade:

Specifier Note:

Select grade(s) for the project. Some grades may come in certain specific colors and sizes.

- a. [Grade C6 (HCS), 0.500 Inches (12.7 mm).]
- b. [Grade C7 (HCS), 0.75 Inches (19.0 mm).]

3. Laminate Color(s):

Specifier Note:

Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
 - b. [Match Architect's samples.]
 - c. [As selected by Architect from manufacturer's line of available colors.]
 - d. [Laminate Color (include here if not on Drawings).]
 - e. [Laminate Color (include here if not on Drawings).]
4. Laminate Finishes: Matte.
 5. Laminate Application(s): Horizontal and Vertical.



Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Plastic-Laminate-Faced Wood Paneling.]
- d. [Interior Architectural Woodwork.]
- e. [Plastic-Laminate-Clad Toilet Compartments.]
- f. [Manufactured Plastic-Laminate-Faced Casework.]
- g. [Residential Casework.]
- h. [Plastic-Laminate Laboratory Casework.]
- i. [Plastic-Laminate-Clad Countertops.]
- j. [Plastic-Laminate-Clad Case Goods.]

H. Formica Infiniti™

- 1. Description:
 - a. Surface laminate with chemical resistance, thermal healing capabilities and built-in antimicrobial surface protection.
 - b. Laminate Limitations:
 - 1) Shall not be used in areas exposed to temperatures exceeding 275 degrees F (135 degrees C) or for exterior applications.
 - c. Laminate Substrate: 45# density, industrial grade particleboard (CS 236-66; Type 1, Grade B, Class 2) or Medium Density Fiberboard (MDF).
 - 1) Plywood, underlayment and solid lumber substrate not acceptable.
- 2. Laminate Grade:
 - a. Grade A7 (HGP), 0.037 Inches (0.9 mm).
- 3. Laminate Color(s):

Specifier Note:

Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
 - b. [Match Architect's samples.]
 - c. [As selected by Architect from manufacturer's line of available colors.]
 - d. [Laminate Color (include here if not on Drawings).]
 - e. [Laminate Color (include here if not on Drawings).]
- 4. Laminate Finish: AN.
 - 5. Laminate Application(s): Horizontal and Vertical.

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]



- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Plastic-Laminate-Faced Wood Paneling.]
- d. [Interior Architectural Woodwork.]
- e. [Plastic-Laminate-Clad Toilet Compartments.]
- f. [Manufactured Plastic-Laminate-Faced Casework.]
- g. [Residential Casework.]
- h. [Plastic-Laminate Laboratory Casework.]
- i. [Plastic-Laminate-Clad Countertops.]
- j. [Plastic-Laminate-Clad Case Goods.]

I. Formica Infiniti™ ColorCore®2

- 1. Description:
 - a. Surface laminate with chemical resistance, thermal healing capabilities and built-in antimicrobial surface protection and solid color through
 - b. Laminate Limitations:
 - 1) Shall not be used in areas exposed to temperatures exceeding 275 degrees F (135 degrees C) or for exterior applications.
 - c. Laminate Substrate: 45# density, industrial grade particleboard (CS 236-66; Type 1, Grade B, Class 2) or Medium Density Fiberboard (MDF).
 - 1) Plywood, underlayment and solid lumber substrate not acceptable.
- 2. Laminate Grade: Grade CC (HCS), 0.034 Inches (0.86 mm).
- 3. Laminate Color(s):

Specifier Note:

Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
 - b. [Match Architect's samples.]
 - c. [As selected by Architect from manufacturer's line of available colors.]
 - d. [Laminate Color (include here if not on Drawings).]
 - e. [Laminate Color (include here if not on Drawings).]
- 4. Laminate Finish: AN.
 - 5. Laminate Application(s): Horizontal and Vertical.

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Plastic-Laminate-Faced Wood Paneling.]
- d. [Interior Architectural Woodwork.]
- e. [Plastic-Laminate-Clad Toilet Compartments.]
- f. [Manufactured Plastic-Laminate-Faced Casework.]



- g. [Residential Casework.]
- h. [Plastic-Laminate Laboratory Casework.]
- i. [Plastic-Laminate-Clad Countertops.]
- j. [Plastic-Laminate-Clad Case Goods.]

J. Formica® Compact.

- 1. Description:
 - a. Structural Laminate.
- 2. Laminate Grade(s):

Specifier Note:
Select grade(s) for the project. Some grades may come in certain specific colors and sizes.

- a. [Grade S2, 0.125 Inches (3.18 mm).]
- b. [Grade P7, 0.250 Inches (6.4 mm).]
- c. [Grade P9, 0.313 Inches (7.94 mm).]
- d. [Grade S8, 0.375 Inches (9.5 mm).]
- e. [Grade S6, 0.500 Inches (12.7 mm).]
- f. [Grade P8, 0.625 Inches (15.9 mm).]
- g. [Grade S7, 0.750 Inches (19.00 mm).]
- h. [Grade R3, 1.000 Inches (25.4 mm).]

- 3. Laminate Fire-Rated Grade(s):

Specifier Note:
Select fire-rated grade(s) for the project.

- a. [Grade FM, 0.250 Inches (6.4 mm).]
- b. [Grade FL, 0.313 Inches (7.94 mm).]
- c. [Grade FK, 0.375 Inches (9.5 mm).]
- d. [Grade F1, 0.500 Inches (12.7 mm).]
- e. [Grade F5, 0.750 Inches (19.00 mm).]
- f. [Grade F8, 1.000 Inches (25.4 mm).]

- 4. Laminate Color(s):

Specifier Note:
Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available colors.]
- d. [Laminate Color (include here if not on Drawings).]
- e. [Laminate Color (include here if not on Drawings).]

- 5. Laminate Finishes:



Specifier Note:

Select location of finish information or Select finish selection(s) for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available finishes.]
- d. [Laminate Finish (include here if not indicated on Drawings).]
- e. [Laminate Finish (include here if not indicated on Drawings).]
- f. [-00 Natural.]
- g. [-42 Crystal.]
- h. [-58 Matte.]
- i. [Backer sheet- Natural.]

6. Laminate Application(s): Horizontal and Vertical.

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Plastic-Laminate-Faced Wood Paneling.]
- d. [Interior Architectural Woodwork.]
- e. [Plastic-Laminate-Clad Toilet Compartments.]
- f. [Manufactured Plastic-Laminate-Faced Casework.]
- g. [Residential Casework.]
- h. [Plastic-Laminate Laboratory Casework.]
- i. [Plastic-Laminate-Clad Countertops.]
- j. [Plastic-Laminate-Clad Case Goods.]

K. Cabinet Liners

1. Description:
 - a. Cabinet liner, melamine-impregnated decorative surface papers are combined with phenolic-treated kraft paper.
 - b. Laminate Limitations:
 - 1) Interior use only. Do not use in areas exposed to temperatures exceeding 275 degrees F or for exterior applications. Finished panel width should not exceed 24-inches maximum for Cabinet Liner if using a contact adhesive gluing system.
 - c. Laminate Substrate: 45# density, industrial grade particleboard (CS 236-66; Type 1, Grade B, Class 2) or Medium Density Fiberboard (MDF).
 - 1) Plywood substrate not acceptable.
2. Laminate Grade: C9.
3. Laminate Color(s):



Specifier Note:

Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
 - b. [Match Architect's samples.]
 - c. [As selected by Architect from manufacturer's line of available colors.]
 - d. [Laminate Color (include here if not on Drawings).]
 - e. [Laminate Color (include here if not on Drawings).]
4. Laminate Finish: -58 Matte.
 5. Laminate Application(s): Light Duty Interior Use Cabinets.

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
 - b. [Plastic-Laminate-Faced Architectural Cabinets.]
 - c. [Interior Architectural Woodwork.]
 - d. [Manufactured Plastic-Laminate-Faced Casework.]
 - e. [Residential Casework.]
 - f. [Plastic-Laminate Laboratory Casework.]
 - g. [Plastic-Laminate-Clad Case Goods.]
- L. Dry-Erase Markerboard Writing Surfaces
1. Description:
 - a. Dry-Erase Markerboard, high gloss melamine impregnated decorative surface papers are combined with phenolic treated kraft paper with the sheet back sanded to maintain a uniform thickness and facilitate bonding.
 - b. Laminate Limitations: Do not use in areas exposed to temperatures exceeding 275 degrees F (135 degrees C).
 - c. Finished panel width should not exceed 24-inches maximum for Grade 20/VGP when using contact adhesive.
 - d. Laminate Substrate: 45# density, industrial grade particleboard (CS 236-66; Type 1, Grade B, Class 2) or Medium Density Fiberboard (MDF).
 - 1) Plywood substrate not acceptable.
 2. Laminate Grade:

Specifier Note:

Select grade(s) for the project. Some grades may come in certain specific colors and sizes.

- a. [Grade 12 HGP, 0.035 Inches (0.9 mm).]
 - b. [Grade 20 VGP, 0.027 Inches (0.7 mm).]
3. Laminate Color(s):



Specifier Note:

Select location of color information or list the color selections for the project.

- a. [As indicated on Drawings.]
 - b. [Match Architect's samples.]
 - c. [As selected by Architect from manufacturer's line of available colors.]
 - d. [Laminate Color (include here if not on Drawings).]
 - e. [Laminate Color (include here if not on Drawings).]
4. Laminate Finish: -90 Gloss.
 5. Laminate Application(s): Horizontal and Vertical.

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
 - b. [Plastic-Laminate-Faced Architectural Cabinets.]
 - c. [Plastic-Laminate-Faced Wood Paneling.]
 - d. [Interior Architectural Woodwork.]
 - e. [Plastic-Laminate-Clad Toilet Compartments.]
 - f. [Manufactured Plastic-Laminate-Faced Casework.]
 - g. [Residential Casework.]
 - h. [Plastic-Laminate Laboratory Casework.]
 - i. [Plastic-Laminate-Clad Countertops.]
 - j. [Plastic-Laminate-Clad Case Goods.]
- M. Dry-Erase Chalkboard Writing Surfaces
1. Description:
 - a. Dry-Erase Chalkboard.
 - b. Laminate Limitations:
 - 1) Shall not be used in areas exposed to water, excessive moisture, constant high humidity, temperatures exceeding 140 degrees F (60 degrees C) for prolonged periods of time or for exterior applications.
 - 2) This laminate is not fire retardant.
 2. Laminate Grade: T9.
 3. Laminate Color(s):

Specifier Note:

Select location of color information or list the color selections for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available colors.]



- d. [Laminate Color (include here if not on Drawings).]
- e. [Laminate Color (include here if not on Drawings).]
- 4. Laminate Finish: -CK Chalkboard.
- 5. Laminate Application(s): Horizontal and Vertical.

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Interior Architectural Woodwork.]
- d. [Manufactured Plastic-Laminate-Faced Casework.]
- e. [Residential Casework.]
- f. [Plastic-Laminate Laboratory Casework.]
- g. [Plastic-Laminate-Clad Countertops.]

N. Magnetic Markerboard Writing Surfaces

- 1. Description:
 - a. Magnetic Markerboard, high pressure decorative laminate with an iron foil incorporated under the surface décor.
- 2. Laminate Grade: M8.
- 3. Laminate Color(s):

Specifier Note:

Select location of color information or list the color selections for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available colors.]
- d. [Laminate Color (include here if not on Drawings).]
- e. [Laminate Color (include here if not on Drawings).]
- 4. Laminate Finish:

Specifier Note:

Select location of information or list the finish selections for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available finishes.]
- d. [Laminate Finish (include here if not indicated on Drawings).]
- e. [Laminate Finish (include here if not indicated on Drawings).]
- f. [-00 Natural.]



- g. [-58 Matte.]
- h. [-90 Gloss.]

5. Laminate Application(s): Horizontal and Vertical.

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Interior Architectural Woodwork.]
- d. [Manufactured Plastic-Laminate-Faced Casework.]
- e. [Residential Casework.]
- f. [Plastic-Laminate Laboratory Casework.]
- g. [Plastic-Laminate-Clad Countertops.]

O. Non-Décor Magnetic Markerboard Writing Surfaces

1. Description:

- a. Non-magnetic markerboard to be used behind any laminate to make it a magnetic surface.
- b. Laminate Limitations: Do not use in areas exposed to temperatures exceeding 275 degrees F (135 degrees C) or for exterior applications.
- c. Finished panel width should not exceed 24-inches maximum for Grade 20/VGP when using contact adhesive.
- d. Laminate Substrate: 45# density, industrial grade particleboard (CS 236-66; Type 1, Grade B, Class 2) or Medium Density Fiberboard (MDF).
 - 1) Plywood substrate not acceptable.

2. Laminate Grade: M8.

3. Laminate Colors: Non-Décor Magnetic Board.

4. Laminate Finish: 00 Natural.

5. Laminate Application(s): Horizontal and Vertical.

Specifier Note:

Select application(s) for the project.

- a. [Interior Finish Carpentry.]
- b. [Plastic-Laminate-Faced Architectural Cabinets.]
- c. [Interior Architectural Woodwork.]
- d. [Manufactured Plastic-Laminate-Faced Casework.]
- e. [Residential Casework.]
- f. [Plastic-Laminate Laboratory Casework.]
- g. [Plastic-Laminate-Clad Countertops.]

P. Architectural Doors Program



1. Description:
 - a. Architectural door laminates.
2. Laminate Grade:
 - a. Grade 10, HGS - 0.044 Inches (1.1 mm).
3. Laminate Color(s):

Specifier Note:

Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available colors.]
- d. [Laminate Color (include here if not on Drawings).]
- e. [Laminate Color (include here if not on Drawings).]

4. Laminate Finish:

Specifier Note:

Select location of finish information or Select finish selection(s) for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available finishes.]
- d. [Laminate Finish (include here if not indicated on Drawings).]
- e. [Laminate Finish (include here if not indicated on Drawings).]

Q. HardStop™ Panels

1. Description: Decorative protection panels.
 - a. Impact resistant panels.
2. Panel Core Material: Treated fiberglass core. Class A Fire-rated.
3. Laminate Grade:
 - a. Grade H1, 0.0677 Inches - 0.0827 Inches (1.72mm-2.1mm).
4. Laminate Color(s):

Specifier Note:

Select location of information or list the color selections for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]
- c. [As selected by Architect from manufacturer's line of available colors.]
- d. [Laminate Color (include here if not on Drawings).]
- e. [Laminate Color (include here if not on Drawings).]

5. Laminate Finish:



Specifier Note: Select location of finish information or Select finish selection(s) for the project.

- a. [As indicated on Drawings.]
 - b. [Match Architect's samples.]
 - c. [-58 Matte.]
 - d. [-43 Artisan.]
6. Laminate Application(s):

Specifier Note: Select application(s) for the project.

- a. [Wall panels.]
 - b. [Wainscots.]
 - c. [Laminated to gypsum board.]
 - d. [Countertops.]
 - e. [Cabinet fronts.]
 - f. [Doors.]
 - g. [Backsplashes.]
 - h. [Bar fronts.]
 - i. [Desk fronts.]
 - j. [Elevator cab(s).]
 - k. [Columns.]
 - l. [Room dividers.]
7. Decorative Protection Panels Accessory Materials
- a. Aluminum Trim Profiles for Seam Treatments:
 - 1) Thicknesses:
 - a) All trims 0.055-inch.
 - b) Corner guard trim 0.065-inch.

***Specifier Note:
Select profile(s) for the project.***

- 2) Profile Types:
 - a) [Inside corners.]
 - b) [Outside corners.]
 - c) [Division bars.]
 - d) [Corner guards.]
 - e) [End caps.]
- 3) Colors, Finish and Patterns:



Specifier Note:

Select location of information or list the color selections for the project.

- a) [As indicated on Drawings.]
 - b) [Match Architect's samples.]
 - c) [Clear anodized.]
 - d) [Champagne.]
 - e) [Light bronze.]
 - f) [Dark bronze.]
 - g) [Black.]
- b. Adhesives:
- 1) Bonding Laminate: Franklin Advanced Polymer adhesive recommended. See Formica technical guide for recommended adhesive by substrate type.
- c. Sealant:
- 1) Color Coordinated Sealant: 100% siliconecaulk material by Color-Rite Incorporated as recommended by Formica Corporation.

2.4 LAMINATE ACCESSORY MATERIALS

A. IdeaEdge® Decorative Edging:

- 1. Grade: 12, HGP.
- 2. Profile thickness: 1.25-inch Ogee and Bullnose.
- 3. Size/Profile:

Specifier Note:

Select a Size/Profile(S) for the project.

- a. [A12, Ogee.]
 - b. [B12, Bullnose.]
 - c. [C12, Ogee.]
 - d. [D12, Bullnose.]
 - e. [E12, Double Radius.]
 - f. [F12, Waterfall.]
4. Colors, Finish and Patterns:

Specifier Note:

Select location of information or list the color, finish and pattern selections for the project.

- a. [As indicated on Drawings.]
- b. [Match Architect's samples.]



- c. [As selected by Architect from manufacturer's available range.]
- d. [Include here if not indicated on Drawings.]
- e. [Include here if not indicated on Drawings.]

B. Edge Banding:

- 1. Laminate Grade:

Specifier Note:

Select grade or type(s) for the project.

- a. [Grade HGS.]
- b. [PVC tape, 0.018-inch (0.460 mm) minimum thickness, matching laminate in color, pattern, and finish.]
- c. [PVC T-mold matching laminate in color, pattern, and finish.]
- d. [PVC edge banding, 0.12-inch (3 mm) thick, matching laminate in color, pattern, and finish.]

C. Backing sheets:

- 1. Provide where recommended by manufacturer to minimize lamination warpage.

D. Adhesives:

- 1. Bonding Laminate: Provide type recommended by manufacturer.
- 2. Bonding Edge Molding: Provide type recommended by manufacturer.

2.5 LAMINATE FABRICATION

- A. Conform to Formica Corporation standard practices, procedures, conditions including preconditioning, panel balancing, material recommendations, machining, equipment and workmanship.
- B. Formica Brand Laminate with low sheen surfaces are subject to marring. Fabricating with peel coat on surface (if applicable) is recommended. Router base should be clean and free of burrs and debris. Table saws should be clean, flat, and free of burrs.
- C. Do not adhere laminates directly to plaster, gypsum board or concrete construction.



PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install decorative plastic laminate in accordance with manufacturer's installation instructions, approved submittals and requirements of:
- B. Provide templates and rough-in measurements.
- C. Accessory Materials: Install in accordance with manufacturer's written installation instructions.

3.2 CLEANING AND PROTECTING

- A. Cleaning:
 - 1. Clean decorative plastic laminate surfaces and edge moldings or aluminum trims in accordance with manufacturer's instructions.
- B. Disinfect:
 - 1. Disinfect decorative plastic laminate surfaces in accordance with manufacturer's instructions.
- C. Protection:
 - 1. Do not permit construction near unprotected surfaces.

END OF SECTION 06 05 13