

## VENEER-ART® CSI 3-PART SPECIFICATION FORM

**Product Guide Specification**

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including MasterFormat, SectionFormat, and PageFormat, as described in The CSI Construction Specifications Practice Guide. This section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" after editing this section. Section numbers and titles are from MasterFormat 2012 Update.

**SECTION 06 05 62****HIGH-PRESSURE DECORATIVE WOOD VENEER LAMINATE**

Specifier Notes: This section covers Lamin-Art, Inc. "Veneer-Art" High-Performance Wood Veneer, a high-pressure decorative wood veneer laminate used for interior applications. Consult Lamin-Art, Inc. for assistance in editing this section for the specific application. This section specifies the shop fabrication of high-pressure decorative wood veneer laminate. If high-pressure decorative wood veneer laminate is to be bonded to substrates in the field, move the Shop Fabrication Article from Part 2 to Part 3 and rename it Field Fabrication. Installation of the completed products manufactured with the high-pressure decorative wood veneer laminate is specified in other sections.

**PART I - GENERAL****1.1 SECTION INCLUDES**

A. High-pressure decorative laminate for interior applications.

**1.2 RELATED REQUIREMENTS**

Specifier Notes: Edit the following list of related sections as necessary. Limit the list to sections with specific information that the reader might expect to find in this section, but is specified elsewhere.

- A. Division 6 Section – Interior Finish Carpentry.
- B. Division 6 Section – Interior Architectural Woodwork.
- C. Division 8 Section – Interior Doors.
- D. Division 10 Section – Interior Specialties.
- E. Division 10 Section – Storage Specialties.
- F. Division 12 Section – Casework.
- G. Division 12 Section – Countertops.
- H. Division 12 Section – Furniture.
- I. Division 14 Section – Elevator Cab Finishes.

### 1.3 REFERENCE STANDARDS

Specifier Notes: List reference standards used elsewhere in this section, complete with designations and titles.

- A. ANSI A208.1 – Particleboard.
- B. ANSI A208.2 – Medium Density Fiberboard (MDF) for Interior Applications.
- C. ANSI/NEMA LD 3 – High-Pressure Decorative Laminates.
- D. ASTM E 84 – Standard Test Method for Surface Burning Characteristics of Building Materials.
- E. AWI Architectural Woodwork Standards.
- F. EN 438-2 – High-Pressure Decorative Laminates (HPL) – Sheets Based On Thermosetting Resins (Usually Called Laminates) - Part 2: Determination of Properties.

### 1.4 SUBMITTALS

Specifier Notes: Edit submittal requirements as necessary. Delete submittals not required.

- A. Comply with Section 01 33 00 – Submittal Procedures.
- B. Product Data: Submit manufacturer’s product data, including inspection, preparation, fabrication, and installation instructions.
- C. Samples: Submit manufacturer’s samples of each wood species, grade, and finish of high-pressure decorative wood veneer laminate specified.

Specifier Notes: Specify size of samples of high-pressure decorative wood veneer laminate.

- 1. Sample Size: Minimum [4 inches by 4 inches] [6 inches by 9 inches].
- D. Manufacturer’s Certification: Submit manufacturer’s certification that materials comply with specified requirements and are suitable for intended application.
- E. Manufacturer’s Project References: Submit manufacturer’s list of successfully completed high-pressure decorative wood veneer laminate projects, including project name and location, name of architect, and type and quantity of high-pressure decorative wood veneer laminate furnished.
- F. Fabricator/Installer’s Project References: Submit fabricator/installer’s list of successfully completed high-pressure decorative laminate or phenolic-backed veneer projects, including project name and location, name of architect, and type and quantity of high-pressure decorative laminate or phenolic-backed veneer fabricated and installed.
- G. Maintenance Instructions: Submit manufacturer’s maintenance instructions.
- H. Warranty Documentation: Submit manufacturer’s standard warranty.

### 1.5 QUALITY ASSURANCE

- A. Manufacturer’s Qualifications: Manufacturer regularly engaged, for past 10 years, in manufacture of high-pressure decorative laminate of similar type to that specified.
- B. Fabricator/Installer’s Qualifications:
  - 1. Fabricator/installer regularly engaged, for past 5 years, in fabrication and installation of high-pressure decorative laminate or phenolic-backed veneer of similar type to that specified.
  - 2. Employ persons trained for fabrication and installation of high-pressure decorative laminate or phenolic-backed veneer.
- C. Material Source: Obtain high-pressure decorative wood veneer laminate materials through single source from single manufacturer.

Specifier Notes: Describe mock-ups required. Delete if not required.

- D. Mock-ups:
  - 1. Construct mock-ups to:
    - a. Verify selection of product number and finish of high-pressure decorative wood veneer laminate.
    - b. Demonstrate quality of workmanship of fabrication and installation.
    - c. Establish quality standards to be used for judging workmanship of fabrication and installation.
  - 2. Construct mock-ups using same materials for use in the Work.
  - 3. Construct mock-ups at location determined by Architect.
  - 4. Do not proceed until mock-ups are approved by Architect.

## 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage and Handling Requirements:
  - 1. Store and handle materials in accordance with manufacturer's instructions.
  - 2. Keep materials in manufacturer's original, unopened containers and packaging until fabrication and installation.
  - 3. Store materials in clean, dry area indoors.
  - 4. Store materials out of direct sunlight.
  - 5. Keep materials from freezing.
  - 6. Store high-pressure decorative wood veneer laminate horizontally, back-to-back, face-to-face, with top sheet turned face-down and caul board placed on top to protect laminate from damage and to reduce chance of warping of top sheets.
  - 7. Store high-pressure decorative wood veneer laminate and substrates for 8 to 10 days before fabrication at 64 degrees F to 72 degrees F (18 degrees C to 22 degrees C) and 50 percent to 60 percent relative humidity.
  - 8. Protect high-pressure decorative wood veneer laminate from light, heat, and moisture.
  - 9. Protect high-pressure decorative wood veneer laminate from contact with floors and exterior walls.
  - 10. Protect corners of high-pressure decorative wood veneer laminate from damage.
  - 11. Protect materials during storage, handling, fabrication, and installation to prevent damage.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURER

- A. Manufacturer: Lamin-Art, Inc., 1670 Basswood Road, Schaumburg, Illinois 60173. Toll Free 800-323-7624. Phone 847-860-4300. Fax 847-860-9199. Website [www.laminart.com](http://www.laminart.com). E-mail [customerservice@laminart.com](mailto:customerservice@laminart.com).
- B. Substitutions: Not permitted

### 2.2 MATERIALS

- A. High-Pressure Decorative Wood Veneer Laminate: "Veneer-Art" High-Performance Wood Veneer.
  - 1. Use: Interior applications.
  - 2. Conformance: EN 438-2.
  - 3. Manufacturing Process:
    - a. Impregnate genuine wood veneers with a protective melamine resin and fuse with phenolic resin-impregnated kraft sheets.
    - b. Perform lamination under a minimum pressure of 500 psi (3,447 kPa) and at a temperature of approximately 250 degrees F (121 degrees C).
    - c. Sand pressed laminate to provide uniform thickness and to facilitate adhesive bonding.
    - d. Contains no added urea-formaldehyde.

Specifier Notes: Standard "Veneer-Art" High-Performance Wood Veneer is classified Class II in accordance with ASTM E 84. Fire-Rated Class I high-pressure decorative wood veneer laminate is available as a special order item and is recommended for interior applications where the decorative surface must resist combustion and inhibit smoke production. Consult Lamin-Art, Inc. for more information, including availability and lead time, regarding Fire-Rated Class I high-pressure decorative wood veneer laminate.

- 4. Fire Rating, ASTM E 84: [Class II] [Class I].

Specifier Notes: Specify wood species number and name of high-pressure decorative wood veneer laminate.

- 5. Wood Species Number: \_\_\_\_\_.
- 6. Wood Species Name: \_\_\_\_\_.
- 7. Grade: "Veneer-Art" Grade, GP40.
  - a. Thickness: 0.040 inch (1.0 mm).
- 8. Finish:

Specifier Notes: Specify finish of high-pressure decorative wood veneer laminate. Delete finishes not required. Not all finishes are available for all laminates. Consult Lamin-Art, Inc. for availability of finishes for each laminate.

- a. Tru-Grain: LRV 15.0.
  - b. Rift-Grain: LRV 3.0.
  - c. Weathered-Grain: LRV 5.0.
9. Edge:

Specifier Notes: Specify edge of high-pressure decorative wood veneer laminate. Delete edges not required.

- a. Edge Banding: 0.98-inch by 120-inch by 0.027-inch-thick strips of matching edge banding in tru-grain finish and matte finish.
  - b. Self-edge.
  - c. Solid edge.
  - d. Miter-fold edge.
  - e. Custom.
- B. Substrates:
- 1. Acceptable Substrates:
    - a. 45-pound-density particleboard, ANSI A208.1.
    - b. Medium-density fiberboard (MDF), ANSI A208.2.
    - c. High-density fiberboard (HDF).
  - 2. Substrates Not Acceptable:
    - a. Plywood.
    - b. Lumber.
    - c. Plaster.
    - d. Gypsum board.
    - e. Underlayment.
    - f. Concrete.
- C. Adhesives: Use for bonding high-pressure decorative wood veneer laminate to substrates.
- 1. Contact adhesive.
  - 2. Polyvinyl acetate resin (PVA) adhesive.
  - 3. Urea adhesive.
  - 4. Resorcinol resin adhesive.
  - 5. Hot-melt adhesive.
  - 6. Epoxy adhesive.
- D. Backing Sheets:
- 1. Kraft-paper core sheets impregnated with phenolic resin.
  - 2. As necessary to balance assembly and prevent warping.

## 2.3 SHOP FABRICATION

- A. Inspection:
- 1. Inspect high-pressure decorative wood veneer laminate surfaces before lamination to ensure they are sound, dry, clean, and free of surface defects.
  - 2. Remove protective peel coat, if applicable, before inspection.
  - 3. Correct defects before lamination.
- B. Preparation:
- 1. Sand and prepare substrates and high-pressure decorative wood veneer laminate as required to provide a smooth and clean surface that is free of dirt, dust, moisture, oil, grease, or other impurities that would interfere with adhesion.
  - 2. Ensure substrates are uniform in thickness and free of defects.

C. Fabrication:

1. Ensure materials, equipment, and workmanship are in accordance with:
  - a. ANSI/NEMA LD 3.
  - b. AWI Architectural Woodwork Standards.
2. Bond high-pressure decorative wood veneer laminate to substrates using adhesives in accordance with adhesive manufacturer's instructions.
  - a. Do not use pressure greater than 45 psi to avoid starved glue line or telegraphing of substrates.
3. Minimize excessive moisture imbalance between high-pressure decorative wood veneer laminate and substrates by preconditioning materials for 8 to 10 days before fabrication at 64 degrees F to 72 degrees F (18 degrees C to 22 degrees C) and 50 percent to 60 percent relative humidity.
4. Provide air circulation around high-pressure decorative wood veneer laminate and substrates during preconditioning.
5. Machine factory edges before seaming and clean thoroughly with denatured alcohol.
6. Sealing Edges and Seams: Seal exposed edges and seams of high-pressure decorative wood veneer laminate with diluted urethane or clear varnish to prevent moisture penetration/absorption and expansion and contraction which could damage veneer.

D. Cleaning:

1. Clean high-pressure decorative wood veneer laminate promptly after fabrication in accordance with manufacturer's instructions.
2. Do not use harsh cleaning materials or methods that could damage laminate.

E. Protection: Protect fabricated high-pressure decorative wood veneer laminate from damage.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Refer to other sections for installation of completed products made with fabricated high-pressure decorative laminate described in this section.

Specifier Notes: Delete the following Article if a High-Pressure Decorative Wood Veneer Laminate Schedule is not required or if the schedule is on the Drawings. Coordinate the schedule with the high-pressure decorative wood veneer laminate specified in Part 2 – Products of this section.

### 3.2 SCHEDULES

- A. High-Pressure Decorative Laminate Schedule: