

PRODUCT DATA SHEET

APRIL 2014

PRODUCT DESCRIPTION

Veneer-Art® by Lamin-Art® is a high-performance, pre-finished wood veneer that combines the natural beauty of genuine wood with the superior durability of high-pressure decorative laminate. Veneer-Art requires no finishing. It comes ready-to-fabricate.

RECOMMENDED APPLICATIONS

Veneer-Art® is suitable for use in a wide range of commercial interior applications including cruise ships, aircraft interiors, architectural doors, elevator cabs, wall paneling, bank teller counters, retail store fixtures, hospitality furniture, tabletops, custom furniture and more.

PRODUCT COMPOSITION

Veneer-Art® is manufactured by laminating genuine, not reconstituted, wood veneers that has a protective melamine resin wear layer and fused with phenolic resin-impregnated kraft sheets under heat and pressure. The result is a maintenance-free, scratch-and abrasion-resistant surface that preserves the character and texture of the wood. As a real wood product, Veneer-Art is subject to variations in color and grain from one sheet to another. A natural maturing and mellowing of the color may occur with age.

CONDITIONING

Veneer-Art® panels may be sensitive to changes in temperature and humidity conditions. Panels containing wood fiber are more susceptible to warping and distortion than conventional high-pressure decorative laminates. If adhered with excess moisture present, there is a risk of cracking and open seams due to shrinkage, particularly in winter conditions or when relative humidity is low. Prior to adhesive application to a suitable substrate, Veneer-Art panels should be carefully conditioned. (The recommended method of conditioning is to store panels and substrates together in the same room for a period of at least 8-10 days with adequate air movement, under stable temperature and humidity conditions as close as possible to actual conditions at the installation site.) **Recommended conditioning for all panels is at approximately 75° F (24° C), with 45-55% relative humidity.**

STORAGE AND HANDLING

Veneer-Art® sheets should be stored horizontally, back-to-back and face-to-face, with the top sheet turned face down and a caul board placed on top to preserve the material. Storing the panels in an atmospherically stabilized room is recommended to avoid extreme fluctuations of moisture.

Lamin-Art® recommends that full-sized sheets be carried by two people with the decorative facing upward whenever possible.

INSTALLATION

All surfaces to be laminated should be inspected prior to lamination to ensure that they are clean and free of surface defects and contamination. All defects should be corrected before application. Material, equipment, and workmanship should conform to industry-standard practices, conditions, procedures, and recommendations specified by National Electrical Manufacturers Association (NEMA) LD 3-2005 Annex A, Architectural Woodworking Institute (AWI) Quality Standards, and the American National Standards Institute (ANSI) 161.2-1979 standards. **It is critical that all edges of Veneer-Art® MUST be sealed using a clear varnish or other suitable sealer to prevent moisture penetration/absorption. For more detailed installation instructions, please refer to the Lamin-Art® "How to Install Veneer-Art" information sheet.**

SUBSTRATES

Veneer-Art® should be adhesively bonded to a substrate at the application site, or to a sheet substrate forming a new composite component which will be used in other assemblies. Suitable substrates may include but are not limited to particleboard (minimum density 45 pounds/cubic foot), medium-density fiberboard (MDF) or high density fiberboard (HDF). Materials with insufficient dimensional stability or internal bond strength such as plywood, steel, aluminum, fiber reinforced plastic, plaster, gypsum board, and similar materials are not recommended for use as substrates. Concrete is not a recommended substrate.

ADHESIVES

Surfaces to be adhered must be sound, thoroughly dry, clean and free of dust, wood chips, oil and other types of surface contamination. When a laminating press is not available, such as an on-site installation, contact adhesives may be used, however this method should be restricted to small areas only. Ensure full adhesive coverage of both surfaces to be bonded and apply a pressure of at least 50-75 pounds per square inch until full bonding is achieved. Spot bonding should never be used. In all cases with all types of adhesives comply with the adhesive manufacturer's usage recommendations.

BACKING SHEETS

To avoid warping of a panel assembly faced with Veneer-Art®, stresses resulting from thermal and hygroscopic forces on both sides of the assembly must be balanced. The best results are obtained when a backing sheet, with characteristics comparable to the face sheet, is laminated to it. Alternatively, balance may be achieved using an ordinary high pressure laminate of the same thickness on the back side of the assembly. Narrow panels for wall applications, held rigidly in place by a securing system can have just a face side if the back side is protected from excess humidity and covered with a suitable sealant such as paint, lacquer, or a vapor-retarding varnish.

FABRICATION TIPS

- All edges of Veneer-Art® must be sealed with a suitable sealer in order to prevent moisture penetration that could damage the veneer.
- Veneer-Art is not recommended for exterior use.
- Veneer-Art sheets should be stored flat and face-to-face with a caul board placed on top to preserve the material. Store panels in a room with stabilized temperature and humidity conditions and avoid extreme fluctuations of moisture.
- Panels and substrates should be conditioned prior to fabrication. The recommended method of conditioning is to store the panels and substrates together in the same room for a period of at least 8-10 days with adequate air movement, under stable temperature and humidity conditions as close as possible to actual conditions at the installation site.
- Surfaces to be adhered must be sound, thoroughly dry, clean, free of dust, wood chips, oil and other types of surface contamination. Thoroughly vacuum surfaces before applying adhesive.
- Because natural wood fiber is used in the product, fabrication or installation using a rigid bond adhesive in conjunction with a hot or cold press to fabricate Veneer-Art is recommended. These include hot-melt, polyvinyl acetate (PVA), resorcinol or urea type adhesives.

For complete fabrication and installation instructions for Veneer-Art High Performance Wood Veneer consult the Lamin-Art® Veneer-Art Installation Sheet.

REFERENCE SAMPLE

When placing an order for Veneer-Art®, we highly recommend that a reference sample is provided so that Lamin-Art® can attempt to match the requested color as closely as possible.

MAINTENANCE

Veneer-Art® general purpose high-pressure decorative laminate may be cleaned with a damp cloth, warm water, and a mild soap or household cleaning products. Cleansers that contain abrasives, acids, or alkalis may damage the decorative surface and are not recommended. Stubborn stains may require the use of hypochlorite bleach followed by a clean water rinse.

WARRANTY

Lamin-Art®, Inc. expressly warrants that its products are free of defects in material and workmanship, are of merchantable quality, and meet or exceed performance standards for high-pressure decorative laminates as established by NEMA, LD 3-2005. Please note that some of our products contain special pearlescent inks and do not meet NEMA standards for abrasion/scratch resistance in all finishes. Inasmuch as Lamin-Art has no control over the end products fabricated with the materials sold, no warranty or guarantee is expressed or implied, other than those set forth above, and is limited to the replacement cost of the material alone.

Questions? Call Customer Service at 800.323.7624.

SPECIFICATIONS

| SIZES | |
|--|--|
| 48" X 96" 48" 120" | THESE ARE THE STANDARD NOMINAL DIMENSIONS. ONLY 48" X 120" ARE REGULARLY STOCKED. AN EXTENDED LEAD TIME AND MINIMUM ORDER MAY BE REQUIRED FOR OTHER SIZES. |
| FINISHES | |
| Tru-Grain™ (TG) | A DIMENSIONAL SURFACE THAT FOLLOWS THE INDIVIDUAL WOOD GRAIN AND CELLULAR CHARACTERISTICS OF ANY WOOD SPECIES. THE FINISH IS SOFT AND VELVET-LIKE, ADDING LUSTER AND ENHANCING THE OVERALL BEAUTY OF THE VENEER. (LRV 15.0). |
| Rift-Grain™ (RG) | A DIMENSIONAL SURFACE INSPIRED BY THE LINEAR GRAIN OF RIFT-CUT WOOD. NARROW RIDGES ENHANCE THE VENEERS' GRAIN CHARACTERISTICS WHILE THE MATTE FINISH PROVIDES FOR A NATURAL AESTHETIC. (LRV 3.0). |
| Weathered-Grain (WG) | REPRESENTS THE NATURAL TEXTURE OF WOODS THAT HAVE BEEN SOFTENED, OR DULLED, FROM EXPOSURE TO THE NATURAL ELEMENTS SUCH AS WIND, RAIN, OR SUN. IT ACCENTUATES THE NATURAL CHARACTERISTICS AND STRUCTURE OF OPEN GRAINED VENEERS SUCH AS OAK. (LRV 5.0). |
| GRADES | |
| VENEER-ART GRADE GP40 HGL (.040"/1.0 MM) | DESIGNED FOR HORIZONTAL AND VERTICAL APPLICATIONS WHERE MODERATE IMPACT RESISTANCE AND A LONG-LASTING SURFACE IS DESIRED. |
| EDGEBOARDING | |
| 0.98" x 120" x .027" THICK STRIPS | MATCHING EDGEBOARDING IN Tru-Grain FINISH IS AVAILABLE FOR ALL VENEER-ART ITEMS. |

PERFORMANCE

Veneer-Art® products are imported from Europe, and are therefore tested according to European performance standards. This product was shown to meet or exceed European performance standards (EN 438-2), equivalent to North American NEMA (LD 3-2005) for high-pressure decorative laminates. The following test results were obtained.

| TEST RESULTS FOR VENEER-ART | |
|---|--|
| ABRASION RESISTANCE | GREATER THAN OR EQUAL TO 350 CYCLES |
| SCRATCH RESISTANCE | GREATER THAN 2N (APPROXIMATELY 200G) |
| IMPACT RESISTANCE | 0 <10MM |
| SURFACE HEAT RESISTANCE | > 356°F (180°C) |
| RESISTANCE TO CIGARETTE BURNS | NO DAMAGE AFTER 60 SECONDS EXPOSURE |
| RESISTANCE TO HOUSEHOLD CLEANING PRODUCTS | NOT ATTACKED BY NORMAL DOMESTIC PRODUCTS |