

PRODUCT DATA SHEET

BURLAP HIGH-PRESSURE DECORATIVE LAMINATE

APRIL 2014

PRODUCT DESCRIPTION

Burlap is a textural decorative surface which incorporates real jute textile in the manufacturing process. The result is an organic looking laminate with a random motif and texture that are imparted by the textile. Each sheet is therefore unique, and any irregularities should be perceived as enhancing the beauty and authenticity of the product.

Due to the inherent properties of jute textile, made from natural plant fiber material, and the varying number of sheets that are cut from a given roll of fabric, slight variations in color can be seen from one burlap sheet to another. This is a normal and expected occurrence, due to varying dye lots and naturally imbedded plant fibers and is not considered a defect.

RECOMMENDED APPLICATIONS

Burlap is manufactured in the same way as conventional high-pressure decorative laminate. It can therefore be specified in horizontal or vertical commercial interior applications that require a decorative surface with wear, impact, and stain resistance. **Lamin-Art[®] brand high-pressure decorative laminate is for interior use only and is not recommended for direct application to plywood, steel, aluminum, fiber reinforced plastic, plaster, gypsum board or concrete. Do not use in areas exposed to temperatures in excess of 275°F (135°C) or high humidity.**

PRODUCT COMPOSITION

Burlap high-pressure decorative laminate is manufactured by laminating phenolic resin-impregnated kraft sheets with 100% jute textile and a melamine overlay sheet. Jute is a rapidly renewable material which represents approximately 20% of the weight of the finished product. The lamination is performed under a minimum pressure of 1,000 psi (2,068 kPa) at a temperature of approximately 300°F (149°C). The pressed laminate is trimmed to various sizes, and the back is sanded to provide uniform thickness and to facilitate adhesive bonding.

SPECIAL NOTICE

Burlap is made with natural materials, therefore slight variations in design and texture may occur as each sheet is unique.

CONDITIONING

Burlap high-pressure decorative laminate may be sensitive to changes in temperature and humidity conditions. 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, Burlap 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 72 hours 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

Burlap 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 installation to ensure that they are clean and free of surface defects. The protective coating (peel coat) should be removed prior to inspection. 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.

SUBSTRATES

Burlap high-pressure laminate should be adhesively bonded to a substrate, 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, 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 Burlap, 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.

MAINTENANCE

Burlap 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 pearlized 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 120"	THIS IS THE STANDARD DIMENSION OF REGULARLY STOCKED BURLAP ITEMS. OTHER SIZES MAY BE AVAILABLE UPON REQUEST.
FINISHES	
RELIEF (U)	THE TACTILE RELIEF OF THE ACTUAL MATERIALS EMBEDDED IN THE LAMINATE SHEET. (BURLAP LRV 6.0).
GRADES	
VERTICAL GRADE GP28 (.028"/0.7 MM)	SUITABLE FOR APPLICATIONS WHERE THE ECONOMICS OF A THINNER MATERIAL ARE DESIRABLE AND IMPACT RESISTANCE IS NOT CRITICAL. OFFERS THE SAME SURFACE DURABILITY AS THICKER GRADES. VERTICAL GRADE GP28 MATERIAL CAN BE COLD BENT TO A RADIUS NO SMALLER THAN 7" (177.8MM).

PERFORMANCE

Burlap products have been subjected to testing by independent, nationally recognized laboratories in accordance with National Electrical Manufacturers Association (NEMA) standardized testing procedures (Pub. LD 3-2005, Section 2). The following test results were obtained.

NEMA TEST	TEST RESULTS FOR LAMIN-ART BURLAP HPL	NEMA STANDARD FOR GENERAL PURPOSE HPL
THICKNESS VERTICAL GRADE	0.028" (0.7 MM)	0.048" +/- 0.005" (1.2 MM +/- 0.13 MM)
APPEARANCE	DOES NOT APPLY	DOES NOT APPLY
LIGHT RESISTANCE	SEVERE EFFECT	SLIGHT EFFECT
CLEANABILITY (CYCLES)	31	20 MAX.
STAIN RESISTANCE REAGENTS 1-10 REAGENTS 11-15	MODERATE EFFECT MODERATE EFFECT	NO EFFECT MODERATE EFFECT
BOILING WATER RESISTANCE	NO EFFECT	NO EFFECT
HIGH TEMPERATURE RESISTANCE	NO EFFECT	SLIGHT EFFECT
BALL IMPACT RESISTANCE STANDARD GRADE	50" (1270 MM)	50" (1270 MM)
DART IMPACT RESISTANCE STANDARD GRADE	20" (500 MM)	20" (500 MM)
DIMENSIONAL STABILITY STANDARD GRADE MACHINE DIRECTION CROSS DIRECTION	.5796% .956%	.5% MAX. .9% MAX.
SURFACE WEAR RESISTANCE (CYCLES)	GREATER THAN 400 CYCLES	400 CYCLES MIN.