

Abacá High-Pressure Decorative Laminate

■ PRODUCT DESCRIPTION

Lamin-Art Abacá is a distinctive decorative surface manufactured using recycled banana fibers. Abacá's natural look and texture result from the banana fibers that are randomly sprinkled over the surface of the material. Each sheet is therefore unique and offers a totally organic, non-directional design and texture.

■ PRODUCT COMPOSITION

Abacá high-pressure decorative laminate is manufactured by laminating phenolic resin-impregnated kraft sheets with melamine resin-impregnated decorative papers and a melamine overlay sheet embedded with recycled banana fibers sourced from Central and South American banana plantations (recycled content = 1% of the total weight of the finished product). The lamination is performed under a minimum pressure of 1,000 psi (2,068 kPa) and 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.

■ RECOMMENDED USES

Abacá is manufactured in the same way as conventional high-pressure decorative laminate. It can therefore be specified in any horizontal or vertical commercial interior application that requires a decorative surface with superior 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 plaster, gypsum wallboard or concrete. Do not use in areas exposed to temperatures in excess of 275°F (135°C).

■ SPECIFICATIONS

SIZES	
48" X 120	This is the standard dimensions of regularly stocked Abacá items. Other sizes may be available upon request
FINISHES	
Abacá	A naturally dimensional texture resulting from recycled banana fibers randomly sprinkled across the sheet (LRV 10.0)
GRADES	
STANDARD GRADE GP48 (.048"/1.2 mm)	The most commonly used grade. Recommended for horizontal and vertical applications where maximum impact-resistance and durability are required. Standard Grade GP48 material can be cold bent to a radius no smaller than 12" (304.8 mm) and formed with heat to a radius no smaller than 4" (101.6 mm) .

■ SPECIAL NOTICE

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

■ INSTALLATION

High-pressure decorative laminate is not a structural material and must be bonded to a suitable substrate (45 lb. density particleboard, medium-density fiberboard (MDF) or high-density fiberboard (HDF)) using contact, PVAc, urea, or resorcinol adhesives, following the adhesive manufacturer's instructions. Care should be taken to minimize excessive moisture imbalance between the laminate and substrate by conditioning the materials in the environment in which they will be applied for at least 72 hours. Consult the National Electrical Manufacturers Association (NEMA) publication LD 3-*current year*, or the Architectural Woodworking Institute (AWI) Quality Standards for fabrication guidelines.

■ PERFORMANCE

Abacá products have been subjected to trials by independent, nationally recognized laboratories in accordance with National Electrical Manufacturers Association (NEMA) standardized testing procedures (Pub. LD3-current year, Section 2). The following test results were obtained.

NEMA TEST	TEST RESULTS FOR LAMIN-ART ABACÁ HPL	NEMA STANDARD FOR GENERAL PURPOSE HPL
THICKNESS	0.048" (1.2 mm)	0.048" +/- 0.005" (1.2 mm +/- 0.13 mm)
APPEARANCE	No ABC Defects	No ABC Defects
LIGHT RESISTANCE	No Effect	Slight Effect
CLEANABILITY (cycles)	7	20 max.
STAIN RESISTANCE Reagents 1-10 Reagents 11-15	No Effect No Effect	No Effect Slight Effect
BOILING WATER RESISTANCE	No Effect	No Effect
HIGH TEMPERATURE RESISTANCE	No Effect	Slight Effect
BALL IMPACT RESISTANCE	50" (1270 mm)	50" (1270 mm)
DART IMPACT RESISTANCE	20" (500 mm)	20" (500 mm)
DIMENSIONAL STABILITY	.33% .9%	.5% max. .9% max.
SURFACE WEAR RESISTANCE (cycles)	greater than 400 cycles	400 cycles min.

■ MAINTENANCE

Abacá 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 laminates are free of defects in material and workmanship, are of merchantable quality and conform to accepted tolerances of applicable manufacturing specifications. 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 laminate alone.