

Chrysalis™ High-Pressure Decorative Laminate

■ PRODUCT DESCRIPTION

Lamin-Art Chrysalis™ is a unique surfacing material offering the brilliance and texture of brushed metal with the durability, reliability and ease of use of a high-pressure laminate. Chrysalis features a gently etched directional finish, running lengthwise along the sheet, providing multi-dimensional light reflection and unequalled design impact without the fingerprints and smudges typically associated with metallic surfaces.

■ PRODUCT COMPOSITION

Lamin-Art Chrysalis™ high-pressure decorative laminate is manufactured by laminating Pearlescence® melamine resin-impregnated decorative paper and phenolic resin-impregnated kraft sheets, with the addition of an exclusive dimensional finish that gives Chrysalis its unique brushed metal texture. 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

Chrysalis™ is designed for high visual impact in low-wear applications. The Pearlescent decorative papers used in the manufacture of Chrysalis feature a reduced melamine content to maximize the interaction of light with the embedded interference inks. As a result, Chrysalis does not meet National Electrical Manufacturers Association (NEMA) standards for abrasion/scratch resistance and is recommended only for vertical and non-working horizontal surfaces exposed to minimal wear. Lamin-Art brand high-pressure decorative laminate is for interior use only and is not recommended for direct application to plaster, gypsum wall-board or concrete. Do not use in areas exposed to temperatures in excess of 275 °F (135 °C)

■ SPECIFICATIONS

SIZES	
48" X 96"	These are the standard dimensions of regularly stocked items. Other sizes are available upon request.
48" X 120"	
FINISHES	
Chrysalis	A gently-etched directional finish, running lengthwise along the sheet, providing multi-dimensional light reflection and unequalled design impact without leaving fingerprints or smudges (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" (30.48cm). We do not recommend using heat to form Chrysalis.
VERTICAL GRADE GP28 (.028"/0.7mm)	Suitable for applications where the economies 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" (17.80cm). We do not recommend using heat to form Chrysalis.

■ 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

Chrysalis™ 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 CHRYSLIS HPL	NEMA STANDARD FOR GENERAL PURPOSE HPL
THICKNESS STANDARD GRADE VERTICAL GRADE	0.048" (1.2 mm) 0.028" (0.7 mm)	0.048" +/- 0.005" (1.2 mm +/- 0.13 mm) 0.028" +/- 0.004" (0.7 mm +/- 0.10 mm)
APPEARANCE	No ABC Defects	No ABC Defects
LIGHT RESISTANCE	Slight 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	Slight Effect	Slight Effect
BALL IMPACT RESISTANCE STANDARD GRADE VERTICAL GRADE	50" (1270 mm) 20" (500 mm)	50" (1270 mm) 20" (500 mm)
DART IMPACT RESISTANCE STANDARD GRADE VERTICAL GRADE	20" (500 mm) 8" (200 mm)	20" (500 mm) 8" (200 mm)
DIMENSIONAL STABILITY STANDARD GRADE Machine Direction Cross Direction VERTICAL GRADE Machine Direction Cross Direction	.33% .9% .7% 1.2%	.5% max .9% max .7% max 1.2% max
SURFACE WEAR RESISTANCE (cycles)	150 cycles	400 cycles min.

■ MAINTENANCE

Chrysalis™ 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.