

## GP38 High-Pressure Decorative Laminate

### ■ PRODUCT DESCRIPTION

Lamin-Art® GP38 high-pressure decorative laminate is manufactured for application as a durable decorative surfacing material in commercial interiors. It is suitable for both horizontal and vertical surfaces requiring superior wear, impact, and stain resistance. Typical horizontal applications can include counter and table tops, contract furniture and casework, as well as store fixtures. Typical vertical applications can include wall panelling, interior doors, elevator cab interiors, cabinetry, casino slot bases and bar fronts.

### ■ PRODUCT COMPOSITION

Lamin-Art® GP38 high-pressure decorative laminate is manufactured by laminating phenolic resin-impregnated kraft sheets with melamine resin-impregnated decorative and overlay sheets. The lamination is performed under a minimum pressure of 1,000 psi 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

Lamin-Art® GP38 high-pressure decorative laminate is produced for both horizontal and vertical applications where the decorative surface must be both functional and durable. 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). Some GP38 laminates are manufactured with pearlescent inks and reduced melamine content to allow maximum reflection/refraction of light. These products do not meet National Electrical Manufacturers Association (NEMA) standards for abrasion/scratch resistance and are therefore recommended for vertical and non-working horizontal surfaces exposed to minimal wear. Please refer to our Stock List and website, [www.laminart.com](http://www.laminart.com), for GP38 items containing pearlescent inks.

### ■ SPECIFICATIONS

SIZES	
48" X 120"	This the standard dimension of regularly stocked GP38 items.
FINISHES	
Textured	A non-directional matte finish with moderate reflective qualities (LRV 10.0)
Silk	A smooth, velvety finish that minimizes fingerprinting and smudges (LRV 100.0)
Supermatte	A textured laminate with low reflective properties (LRV 2.0)
GRADES	
<b>GP38</b> (.038"/1.0 mm)	Designed for horizontal and vertical applications where moderate impact-resistance and a long-lasting surface are required. Not all products are available in GP38; please refer to our Stock List. GP38 material can be cold bent to a radius no smaller than 8" (203.2 mm) and formed with heat to a radius no smaller than 3" (76.2 mm), with the exception of Pearlescence items which should never be formed with heat.

### ■ 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

Lamin-Art® GP38 products are imported from Europe, and therefore tested according to European performance standards for high-pressure laminate (EN 438-2). The following test results were obtained.

EN 438-2 TEST	TEST RESULTS FOR LAMIN-ART GP38 HPL	EN 438-2 STANDARD FOR GENERAL PURPOSE HPL
THICKNESS	0.032" (0.8 mm)	0.032" +/- 0.004" (0.8 mm +/- 0.1 mm)
SPOTS, DIRT AND OTHER SURFACE DEFECTS	less than 1 mm <sup>2</sup> /m <sup>2</sup>	1 mm <sup>2</sup> /m <sup>2</sup> max.
COLOR FASTNESS	grey scale rating greater than 6	grey scale rating of at least 4
STAIN RESISTANCE Groups 1 and 2 Groups 3 and 4	Class 5 Class 4	Class 5 Class 4
BOILING WATER RESISTANCE Weight Thickness Appearance	less than 12% increase less than 14% increase Class 4	12% increase max. 14% increase max. Class 4
RESISTANCE TO CIGARETTE BURNS	Class 3	Class 3
BALL IMPACT RESISTANCE	less than 20 Newtons	20 Newtons max.
DIMENSIONAL STABILITY longitudinal transverse	.3% .6%	.5% max. .8% max.
SURFACE WEAR RESISTANCE (cycles)	greater than 350 cycles except pearlescence which wear 50-100 cycles	350 cycles min.

## ■ MAINTENANCE

Lamin-Art GP38® 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.