

## ■ PRODUCT COMPOSITION

Lamin-Art® 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 (2,068 kPa), and at a temperature of approximately 300°F (149°C). The pressed laminate is sanded to provide uniform thickness, and to facilitate adhesive bonding.

## ■ APPLICATIONS

Lamin-Art® brand high-pressure decorative laminate is not a structural material and must be bonded to a suitable substrate, using recommended adhesives. Lamin-Art laminate is designed 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).

## ■ STORAGE/HANDLING

High-pressure laminate should be stored horizontally with the top face down, and a caul board placed on top in order to protect the material from damage and warping. Laminate should be protected from moisture, and from contact with floors or outside walls.

## ■ PRE-CONDITIONING

Laminate and substrate should be allowed to acclimate for at least 72 hours in the same ambient conditions. Optimum conditions for preconditioning are approximately 75°F (24°C) with a relative humidity of 45% to 55%. Provisions should be made for the circulation of air around the components.

## ■ INSTALLATION

All surfaces to be laminated should be inspected prior to lamination 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) LD3-2005 Annex A, Architectural Woodworking Institute (AWI) Quality Standards, and the American National Standards Institute (ANSI) 161.2-1979 standards.

### Substrates

Laminate should be bonded to a suitable substrate, such as 45lb. density particleboard, medium-density fiberboard (MDF), or high-density fiberboard (HDF). The following materials are not recommended for use: plywood, plaster, gypsum board, and concrete.

### Adhesives

Laminate should be bonded to the substrate using contact, PVAc, urea, or resorcinol adhesives following the adhesive manufacturer's instructions. The substrate must be smooth and free of grease, dust, and other impurities that may obstruct adhesion. Keep solvents away from open flames and away from the glue line at the edges of the applied laminate.

### Backing Sheets

Backing sheets should be provided where necessary to balance assembly, and to prevent warping.

## ■ MAINTENANCE

Lamin-Art® brand high-pressure decorative laminate may be cleaned using warm water and a mild soap, or common household cleaners.

## ■ WARRANTY

Lamin-Art® expressly warrants that its products are free of defects in material and workmanship, they are of merchantable quality and conform within 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.

Failure to comply with any of the terms, conditions or recommendations explained herewith will render this warranty null and void.