

## PoliLam Antibacterial High Pressure Laminate

PoliLam Antibacterial High Pressure Laminate utilizes advanced antibacterial technology to inhibit bacterial growth while maintaining the superior physical properties of high-pressure laminates. With excellent resistance to wear, scratches, and stains, it is ideal for hygiene-sensitive environments such as healthcare facilities, educational institutions, public areas, and food processing spaces. We are committed to leveraging innovation to deliver safe, reliable, and aesthetically pleasing surface solutions.

### Key Features

Dimensions:

4x8ft ( 1220x2440mm ), 4x10ft ( 1220x3050mm )

Thickness:

0.7mm±0.06mm( .028"± .0025" )

1.0mm±0.1mm( .039"± .005" )

### Physical Properties:

Complies with NEMA LD3-2005 "High Pressure Decorative Laminates (HPL) ", ensuring the material meets the high strength and durability standards.

### Formaldehyde Emission:

Complies with GB 18580-2001 requirements for formaldehyde emission, meeting the air quality standard for formaldehyde release.

### Eco-Certification:

Certified by GREENGUARD, including Greenguard Gold, FSC Forest Certification, and Singapore Green Label certification.

### Antibacterial Properties:

Complies with JIS Z2801-2010 standard, effective against Escherichia coli, Staphylococcus aureus, Salmonella typhimurium, Klebsiella pneumoniae, and Enterococcus faecalis. Antibacterial testing duration is not less than 24 hours, with an antibacterial rate >99.9%, achieving mold resistance grade 0, certified by SGS antibacterial certification.

### Antibacteria HPL Decor Collection



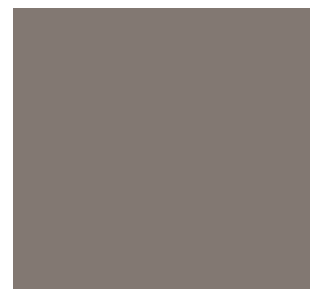
Digital Print



Woods



Patterns



Solids

Featuring a range of woodgrains and textures to suit any style. These designs add versatility and depth, ensuring a perfect match for various design projects.

## Technical Specifications

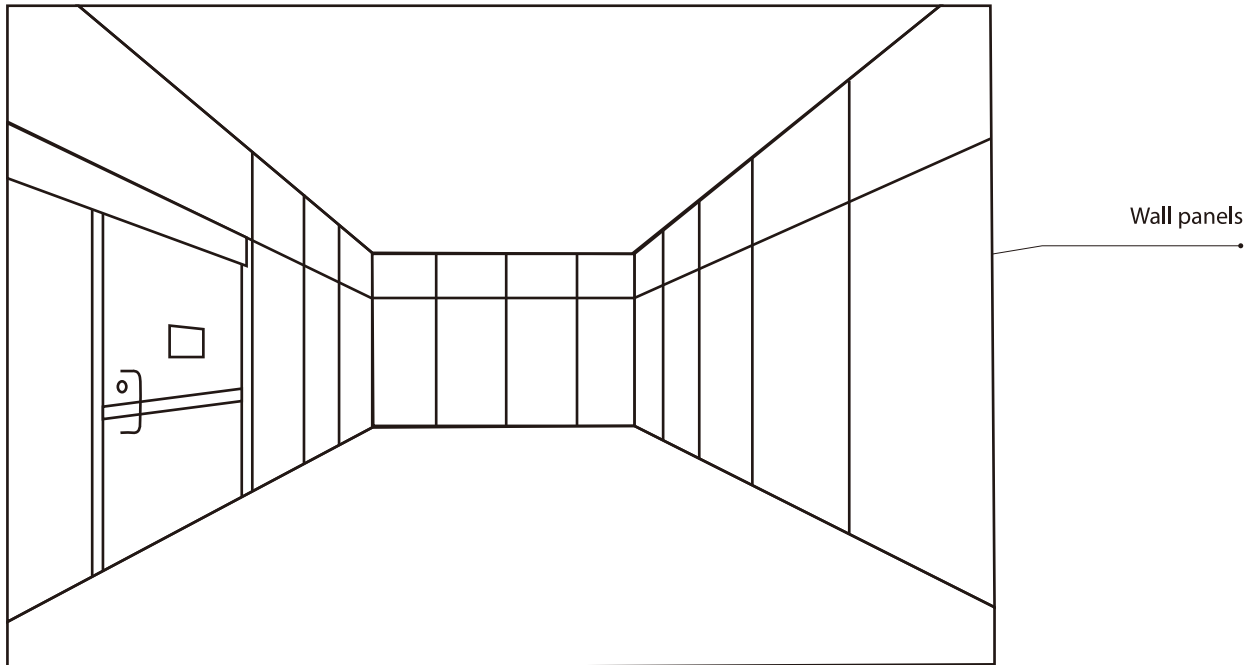
Property	Test Method	Test Result
Thickness Tolerance	EN438-2-5/ NEMA LD03-2005	0.7mm( .028"± .0025" ) 1.0mm( .039"± .005" )
Cleanability	ANSI NEMA LD .3-2005 Section 3.4	Score: 6
Stain Resistance	ANSI NEMA LD .3-2005 Section 3.4	No effect
Boiling Water Resistance	ANSI NEMA LD .3-2005 Section 3.5	No effect
High Temperature Resistance	ANSI NEMA LD .3-2005 Section 3.6 Hot wax method	No effect
Scratch Resistance	ANSI NEMA LD .3-2005 Section 3.7.3	Rating:3(4N)
Ball Impact Resistance	ANSI NEMA LD .3-2005 Section 3.8	No effect
Wear Resistance	ANSI NEMA LD .3-2005 Section 3.13	350cycles
Tensile Strength	ASTM D638-14	149Mpa
Ball Impact Resistance	ANSI NEMA LD .3-2005 Section 3.8	1100mm

## Mechanical and Environmental Performance

- **Tensile Strength:** The tensile strength of 149 MPa provides reliable assurance for load-bearing applications.
- **Abrasion Resistance:** The abrasion resistance of HPL is rated at 1988 revolutions, ensuring the material's durability and service life.
- **Stain Resistance:** Rated at Level 5, the highest stain resistance, which aids in daily cleaning and maintenance.

## Applications

**PoliLam Antibacteria HPL boards are perfect for a variety of interior design applications including:**



## Installation and Maintenance

### Installation:

For ease of installation, PoliLam recommends acclimating Antibacterial HPL for one week prior to cutting, especially when used in environments with changing humidity.

### Maintenance:

Antibacterial HPL is easy to clean and maintain. Its surface is corrosion-resistant, moisture-proof, and wear-resistant, making it an ideal choice for high-traffic residential and commercial spaces.

### Handling and Storage

Transport whole panels upright to avoid excessive bending that could cause cracks. Pay attention to protecting the edges and corners. During storage, keep the panels in a dry, well-ventilated area, away from direct sunlight and extreme temperature changes. Panels should be laid flat on a level surface with proper support to avoid warping.

## Matching Edging Available

Our Antibacterial HPL collection is available with matching ABS edging.

Size: 15/16th in. x 1mm

Laser Edging Available upon request