

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



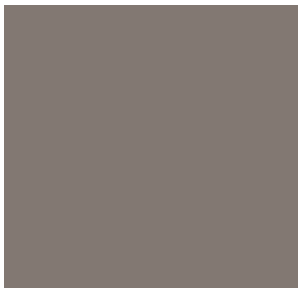
Digital Print



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

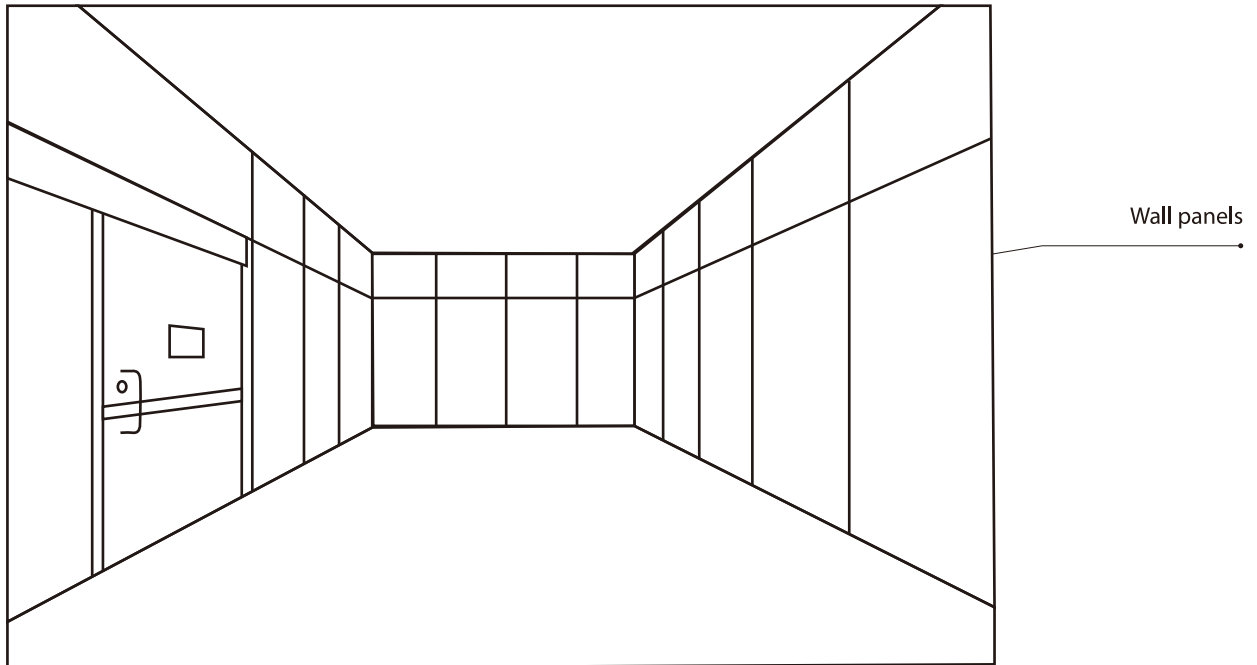
Property	Test Method	Test Result
Thickness Tolerance	EN438-2-5/ NEMA LD03-2005	0.7mm( .028"± .0025" ) 1.0mm( .039"± .005" )
Cleanability	ANSI NEMA LD .3-2005 Section 3.4	Score: 6
Stain Resistance	ANSI NEMA LD .3-2005 Section 3.4	No effect
Boilling Water Resistance	ANSI NEMA LD .3-2005 Section 3.5	No 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

## Customer Services

Please contact [sales@polilam.com](mailto:sales@polilam.com)  
[www.polilam.com](http://www.polilam.com)