Wilsonart® Magnetic HPL

By integrating functionality and design into one solution, Wilsonart Magnetic HPL gives a new way to manage and display important information, pictures, or decorative items while adding decoration to the room. The product contains a thin metal foil embedded in the HPL which creates magnetic effect when used with magnets.

Application: Wilsonart Magnetic HPL is suitable for vertical interior use on furniture, shop fitting, exhibitions, partition walls, offices, kitchens, kid's rooms, schools and more.

Colors:	over 300 colors including solid colors, woodgrains, patterns, digital arts, and alu
Finishes:	Matt (60), Satin (S), Wood (W), Wood Matt (WM), Natural Matt (NM)
Sheet Size:	1220 x 2440 mm
Thickness:	1.0 mm
Weight:	Approx 7.2 kg per sheet

Basic Limitations:
Wilsonart Magnetic HPL is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate. Do not use Wilsonart Magnetic HPL to extremes in humidity. Excessively dry room conditions or direct heat influence should be avoided (risk of cracking). The product should be used in well air-conditioned room.

Installation: Fabrication and Assembly Recommendations
Wilsonart Magnetic HPL should be bonded to a substrate of reliable quality such as particleboard, medium density fiberboard (MDF) or plywood with adhesives. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA) and contact types. Bonding techniques are based upon type of adhesives, therefore, it is recommended to follow the adhesive manufacturer's instruction closely.

Backer sheets of the same thickness are recommended for use on the back of the panel to reduce warpage. The face and the backer sheet should be conditioned in the same environment for 48 hours before fabrication to ensure appropriate acclimation between the laminate and the substrate. Recommended conditioning temperature is about 24°C and 45% to 55% relative humidity.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 3.175 mm radius and all edges should be routed smooth.

Drill oversized holes for screws and bolts. Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Single sheet cut with the decorative side facing up. Trial cuts are recommended. It is generally possible that the type of material used may cause flying sparks during processing.

Transport:
Always make sure that sheets are flat during transport to prevent bends and cracks in the surface.

Cleaning:
All Wilsonart Magnetic HPL is supplied with protective film. It is recommended that the surface be cleaned after peeling off the protective film in order to remove any residues. Do not use washing detergents. Sponge and water are suitable for most cleaning requirements. For thorough cleaning, Ethyl alcohol can be used.

Product Warranty:
Wilsonart warrants that, under normal use and service, the material and workmanship of the product shall conform to the standards set forth on the applicable technical data sheets for a period of 1 year from the date of purchase the first consumer purchaser**.**

Technical Data

Physical properties of Wilsonart Magnetic HPL

Characteristics	Wilsonart Typical HPL (HGS)	NEMA LD3-2005 requirement (HGS)
Thickness	1.0 mm.	1.0 mm.
Tolerance	± 0.12 mm.	± 0.12 mm.
Light Resistance	Slight effect	Slight effect
Cleanability (cycles)	10	Max 20
Stain Resistance		
Reagent 1-10	No effect	No effect
Reagent 11-15	Slight effect	Moderate effect
Boiling Water Resistance	No effect	No effect
High Temperature Resistance	Slight effect	Slight effect
Impact Resistance	1397	Min 900 mm.
Radiant Heat Resistance	140 sec	Min 100 sec.
Wear Resistance (cycles)	750	Min 400
Dimensional stability		
Machine direction	0.3%	Max 0.6%
Cross direction	0.7%	Max 1.0%
Formability	Not applicable	Not applicable
Blister Resistance	Not applicable	Not applicable

Magnet Adhesion Test:

Properties	Units	Value
Magnet Adhesion *	no. of A4 paper	≥ 4

* This test method is conducted by Wilsonart Thailand's laboratory to determine the adhesion of a magnetic surface. We use 12 mm diameter, 3 mm height of 1 Neodymium magnet placing on vertical surface of Magnetic HPL. The number of 70 gram A4 blank paper is added between the surface and the magnet, and the maximum number of sheets that the magnet can hold is recorded.

WILSONART

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