polytec technical data sheet

polytec Magnetic laminate

General Information

polytec's White Magnetic Gloss laminate is a 1mm thick high pressure laminate containing a layer of metallic foil to allow small magnetic objects to stick to the surface. White Magnetic laminate has a Gloss finish which creates a surface perfect for non-permanent whiteboard marker use.

Features

- Tough and durable
- Gloss finish
- 3080 x 1220mm sheet size
- Available as laminated board via Special Product Request form

Important Information

polytec's Magnetic laminate is a product for vertical and horizontal interior use only.

The metal foil used in this product requires care and precautions:

1. The cutting and machining of the laminate can generate particles accompanied by a spark, having the risk of causing a fire in contact with combustible material, i.e. sawdust. To help avoid the risk of fire, it is recommended dust extraction be turned off prior to cutting.
2. The joiner must use protective equipment protecting the face and hands from possible metal burrs. It must be ensured that the edges of the laminate or the fabricated panel are free of metal burrs.
3. Due to the light reflectance of the gloss finish and the internal metal foil inlay small imperfections may be visible on the surface. All sheets should be thoroughly checked for any imperfections prior to installation.

Storage

Storage of Magnetic laminate must be covered and protected from the weather away from direct sunlight. The sheets must be horizontally packed on a flat base. Do not bend the product.

Machining

Sawblades

The sheet must be cut using a good quality circular saw, Tungsten Carbide tipped recommended.

The final finishing can be reached using a hand-fed machine. The vertex/corner needs to be slightly rounded (at least 3mm radius) before making 90° cuts. polytec Magnetic laminate is not postformable.

Magnetic Adhesion

The test conducted for polytec's Magnetic laminate consists of using magnets 12mm in diameter, 3mm in height, adhered on the vertical surface.

Care and Maintenance

Scratching or scuffing of surface hinders effective cleaning.

Using a mild household spray wipe down the surface with a soft cloth. Dry using a soft cloth so as not to leave any cleaning solutions on the surface. You may also use Methylated Spirit on a soft cloth, using a circular cleaning motion. Thoroughly clean over the wider area with water and detergent on a damp cloth afterwards to remove any residual Methylated Spirit. Always ensure that you refer to the recommendations provided by the cleaning product manufacturer before use.

To ensure that your **polytec** warranty will not be void: DO NOT use any of the following on **polytec** Magnetic laminate: Commercial Cleaning Products, Abrasive Cleaners, Scouring Pads or Abrasive Papers, Solvents, Thinners, Turpentine (Turps), Ammonia, Bleach, Acetone, Easy-Off BAM!, M.E.K. or any other cleaning agents containing organic solvents or the above mentioned products.

TECHNICAL SPECIFICATION			
Thickness	mm	NEMA LD 3:2005	1.1 1.3
Boiling Water Resistance	Rating (min.) NE	NEMA LD 3:2005	NE
Clean Ability	20 (max)	NEMA LD 3:2005	14 - 16
Stain Resistance 01-10 11-15	NE ME	NEMA LD 3:2005	NE SL
High Temperature Resistance	Rating (min.) SL	NEMA LD 3:2005	SL
Dimensional Stability	MD 0.5% (max.) CD 0.8% (max.)	NEMA LD 3:2005	0.45 0.78
Wear Resistance (Cycles)	400 (min)	NEMA LD 3:2005	500
Scratch Resistance		NEMA LD 3:2005	3
Clean ability as per Dry Erase Method		N/A	NE
Magnetic Adhesion*		No of A4 Paper	>4

NE: No Effect SL: Slight Effect ME: Moderate Effect

* Adhesion Test: A magnet of 1 Neodymium in the shape of 12mm in diameter and 3mm of height is placed on vertical laminate and 3 sheets of 80gsm white paper placed in between the laminate and the magnet.

Contact

For further information on this product contact:

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