

Laminex® Writable Walls

Laminex Writable Walls are magnetic metallic high pressure laminates mounted to 16mm E0 MR MDF. They have a decorative face that can be written on and easily cleaned, as well as an embedded metal foil layer that ensures magnetic objects will hold strongly to the laminate surface.



APPLICATIONS

Laminex Writable Walls are ideal for a range of vertical wall panel options where magnetic surfaces are required, writeable and cleanable surfaces are sought, or a combination of both. Typical applications could include school or university classroom walls, office wall or partition surfacing, meeting and board rooms, restaurant menu boards, children's bedroom feature wall surfaces or kitchen panels and splashbacks (except behind cooktop zones).

Specific applications based on the surface finishes are:

- **Magnetic Gloss White** – whiteboards, meeting room writeable walls, classroom walls for displaying drawings, pictures and/or writing on the wall, residential applications for writeable splashbacks, such as laundries.
- **Matt Black Chalkboard** – blackboards and chalkboards, teaching environments, children's bedroom wall surfaces or feature panels, kitchen door panel surfaces or splashbacks (except behind cooktop zones) where lists and notes can be kept.

Notes:

- Only recommended writing materials and cleaning procedures should be used (see Care and Maintenance section of this document).
- Laminex Writable walls are only suitable for vertical applications. They are not recommended for heavy usage applications, such as worktops, bars and tables.

Warning: Due to the embedded metal foil that ensures a magnetic capability, fabricating of the sheets will most likely create flying sparks. Please take necessary safety precautions as set out within the Fabrication Guidelines section of this document.

PROPERTIES

Substrate

(Typical physical properties when tested to AS/NZS 1859.2.)		
Specifications	Result	
Board Density	kg/m ³	730
Internal Bond	MPa	0.9
Modulus of Rupture	MPa	43
Modulus of Elasticity	MPa	3600
Surface Soundness	MPa	1.7
Screw Holding Face	N	1000
Screw Holding Edge	N	1600
Thickness Swell (24hr)	%	<4
Wet Bending Strength (Method A)	MPa	9.7
Formaldehyde level	mg/L	≤0.5

PROPERTIES

Laminate

(Typical physical properties when tested to AS/NZS 2924.1-VGS Grade.)		
Specifications	Result	Unit
Resistance to surface wear	>550	Revolutions
Resistance to impact (small ball)	>35	N
Resistance to scratching	>1.5	N
Resistance to staining	No effect	Visual appraisal (Groups 1-4)
Resistance to colour change		
- Glossy White	Very slight effect	Grey scale
- Matt Black	No effect	Grey scale

PRODUCT CHARACTERISTICS

Nominal Size:	2700x1200
Nominal thickness:	Single sided 17.6mm – Magnetic HPL on front face, HPL liner on rear
Weight:	15.5kg

FIRE TEST RESULTS

(According to Specification c1.10 of the Building Code of Australia)

Average Specific Extinction Area: 90.1 m²/kg

BCA Group Number = 3

An FR option is available. Consult your Laminex Sales Representative.

WHEN SPECIFYING

"Vertical surfacing shall be Laminex Writable Walls in Magnetic Gloss White/Magnetic Matt Black as supplied by Laminex."

CARE AND MAINTENANCE

Laminex Writable Walls can be cleaned with non-abrasive or nonharsh alkaline cleaning agents. Do not use abrasive scourers and cleaners, even those in liquid form, as these may permanently reduce the stain resistance of the surface. These laminates should only be cleaned using soft, moist cloth or moist chamois and then dried with a soft dry cloth.

Before the first use, peel off the protective plastic film and clean the surface in the recommended way to remove any adhesive residue.

Whiteboard: is suitable for marking with whiteboard markers (see Markers for Whiteboards section below). Once dry, these markings can be wiped off using a soft dry board eraser or soft cloth, such as a microfiber cloth.

(There is no guarantee that Laminex Magnetic Metallic Laminates can always be cleaned so that they are completely free of residue or markings, because the use and quality of markers is beyond our control. Please check the recommendations by the manufacturers of the markers before use).

Chalkboard: is suitable for use with marking chalk or liquid chalks. Due to the matt nature of the surface it cannot always be wiped completely clean in the dry condition. Use a soft dry board eraser or soft cloth to wipe dry board, or recommended cleaning agents and procedures for complete cleaning using a wet process.

MARKERS FOR WHITEBOARDS

Whiteboard markers or liquid chalk marker pens only should be used. The use of permanent markers is not recommended, as while it is possible to clean off, they may leave ghosting or non-removable marks over time. A soft cloth (no wetting) should remove whiteboard/liquid chalk marker pens. If necessary, a soft cloth made damp with water, or a specific whiteboard cleaning fluid (such as Quartet BoardGear) can also be used. As with all whiteboard surfaces, general wear and tear such as scratches or scuff marks will occur over time which will make cleaning more difficult. When marker pen cannot be removed with a whiteboard cleaning fluid, consideration should be given to replacing the whiteboard surface.

STORAGE

Laminex Writable Walls must be stored in an area closed off from external conditions, kept dry at room temperature and with a relative humidity around 50–60%. Sheets must be stored horizontally and well supported with evenly spaced supports, at a distance of at least 200mm from the floor:

Protect the stored sheets from:

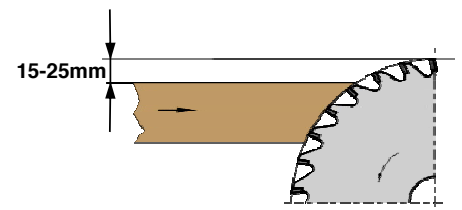
- moisture or water
- exposure to direct sunlight
- hot air currents
- direct exposure to heat, e.g. light bulbs or other heat sources. The surface temperature of the laminate sheet should not exceed 70°C.

SAWBLADES



Machine: Circular saw bench and sizing saw bench with parallel stop and/or sliding table, CNC machining centres.

Tool: TC-tipped circular sawblade 'FerroFix', ID. 2000636, D300x2,2x30, Z80, FZ/FA or similar TC-tipped saw D300x2,2x30 with minimum 72 or 96 teeth.



Recommended RPM:

2,500 – 4,500 U/min

Recommended feed rate:

6 – 10 m/min (manual feed)

Recommended protrusion:

32 – 42 mm for bonded product

Notes: For tear free cut on both sides, the bottom side has to be pre-scored. For the first pass, the sawblade should be adjusted about 1mm over the table. In the second pass, it should be cut with the recommended adjustment.

Warning: Fabricating this laminate material may create flying sparks. Please take care by using appropriate personal protective equipment, especially protective glasses or goggles. Please also ensure that processing takes place with the disconnection of any dust extraction or exhaust system to avoid sparks entering these systems.

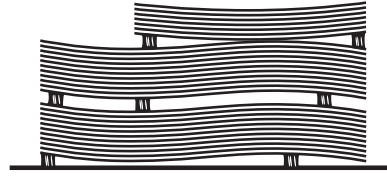
During cutting and machining a slight burring may occur on the new edge. (Please take care and use personal protective equipment when handling cut sheets to avoid any chance of personal injury from sharp or burred edges.) This can be removed by careful use of a fine metal file. Take care not to get any metal burrs on the surface of the laminate sheet and do not drag or slide sheets or boards over the laminate surface, so that any surface damage can be avoided.

STORAGE AND HANDLING

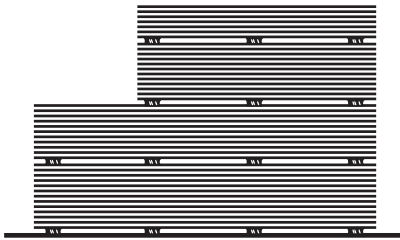
The following recommendations should be applied to maintain Laminex Writable Walls panels in good order and condition. The storage area should be protected from the sun, rain and wind. Open sided sheds would not be regarded as dry stores.

All packs should be evenly supported at each end at intervals of no more than 750mm where the packs are multiple stacked, and no further than 150mm from the edge of boards. All supports should be vertically aligned.

Keep work area clean. Avoid contact with abrasive surfaces or grit.



Incorrect Storage Method



Correct Storage Method