



513189043 ע.ד.



המרכז הארצי לייצור ושיווק לוחות כתיבה והוראה

בס"ד

מספר ספק משהב"ט:  
83411253

מספר ספק תעשייה אווירית:  
IR954

## MIGVAN 2002 MARKER BOARDS LAMINATE

### 1. Product Description:

MIGVAN 2002 Marker Board is made with special type of synthetic polymer which imparts durability to surface with easy cleaning of dry erase markers or wet erase markers. MIGVAN 2002 Marker Board Laminate is made with decorative surface papers that are impregnated with melamine resins and pressed over kraft paper core sheets impregnated with phenolic resin. The melamine resin facilitates liquid chalk removal. An assembly of these papers is then placed in a press and bonded under heat and pressure into a thermosetting plastic sheet. Finished sheets are trimmed and the backs sanded to facilitate bonding.

These can be used in conference rooms, auditoriums, colleges and institutions.

### 2. Advantages:

- Easy cleaning for Dry & wet erase markers
- Greenguard certified
- FSC Certified products are also available

### 3. Product type available:

- Type of product : Marker Board Laminate
- Size & Finish: Available in following finishes 7 sizes length and width:

FINISH	SIZE		
	4'x8' (1220mmX2440mm)	4'x10' (1220mmX3050mm)	5'x12' (1550mmX3660mm)
Glossy	•	•	•

iii. **Thickness:** 0.7mm & 1.0mm

iv. **Colors:** White

v.

### 4. Fabrication & Assembly:

MIGVAN 2002 Erase Marker Board Laminate is designed for interior vertical use only. Do not adhere directly to plaster, drywall (gypsum board) or concrete. Do not use in areas exposed to temperature exceeding 135°C.

**Substrates:** MIGVAN 2002 Marker Board Laminates are bonded with particle boards or MDF boards. The use of plywood is not recommended due to the potential for surface telegraphing, stress cracking, and shrink-back problems. The substrate should be sanded smooth, clean, free of oil or grease, and uniform in thickness.

רח' הפלדה 3 א.ת. צפוני אשדוד, למשלוח מכתבים: ת.ד. 12496, אשדוד

טל: 08-852-2002 פקס: 08-853-10-50

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#### Adhesives:

Contact, semi-rigid (PVC) or rigid (urea, resorcinol) adhesives can be used. Always follow the adhesive manufacturer's recommendations. Avoid using combination of substrate and/or adhesive that causes telegraphing.

#### 5. Care & Maintenance:

#### Storage:

Sheets should be stored horizontally with the top sheet turned face down and a thick hard board placed on top to protect the material from possible damage and reduce the chances of getting warped. Stored laminate stock should be rotated such that older sheets will be used first. Laminate sheets should be protected from moisture, and should never be stored where they may come in contact with the floor or outside wall. Always carry the sheets vertically. Never slide the sheet but, lift it while moving it from one place to another. We recommend that ideally two people should carry a full size sheet as carelessness can damage the decorative surface.

#### Cleaning:

- Marker board can be cleaned using a felt or multi-purpose board eraser
- In case of marker board when additional cleaning is required, a soft cloth dampened with warm tap water and mild soaps, such as those used for hands or dishes, are recommended. If stubborn stains persist, Marker board laminate can be cleaned with spray-type glass cleaners
- Remember to clean erasers often by wiping to remove dry-erase marker residue
- Do not use cleansers that contain abrasives, acids or alkalis, they will damage the decorative surface
- The boards should be regularly cleaned with moist cloth to remove residues of ink and other chemicals

6.

#### 7. Technical data:

Ld-3 Test Method	Properties	CGS Laminate	Test values of MIGVAN 20012
3.1	Thickness Tolerance (In) (mm)	0.028"±0.004  0.7mm±0.10mm	0.028"±0.003  0.7mm±0.10mm
3.2	Appearance	No ABC Defect	No ABC Defect
3.3	Light Resistance (min)	Slight Effect	Slight Effect
3.4	Clenability	20	13

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	(Max.)			
	Reagents (1 to 10)		No Effect	No Effect
	Reagent (1 to 15)		Moderate	Moderate
3.5	Boiling Water Resistance		No Effect	Slight Effect
3.6	High Temperature Resistance		Slight Effect	Slight Effect
3.8	Ball Impact Resistance mm			
	(In) Max.		508	762
			(20 min)	(30)
3.11	Dimensional Change	MD(%) max.	0.7	0.40
		CD (%) max.	1.2	0.80
3.12	Room temperature Dimensional stability	MD(%) max.	0.6	0.18
		CD (%) max	1.1	0.37
3.13	Wear Resistance		400	700
	Cycle (Min.)			
ASTM – D 790	Flexural strength MPa(psi)	MD (%) min.	1.24 X 10 <sup>2</sup> (18000)	>1.24 X 10 <sup>2</sup> >(18000)
		CD (%) min.	8.27 X 10 <sup>1</sup> (1200)	>8.27 X 10 <sup>1</sup> >(1200)
ASTM – D 790	Flexural modulus MPa(psi)	MD (%) min	1.10 X 10 <sup>4</sup> (1.6X10 <sup>6</sup> )	>1.10 X 10 <sup>4</sup> >(1.6X10 <sup>6</sup> )
		CD (%) min.	9.65 X 10 <sup>3</sup> (1.4X10 <sup>6</sup> )	>9.65 X 10 <sup>3</sup> >(1.4X10 <sup>6</sup> )
ASTM – D 638	Tensile strength MPa(psi)	MD (%) min	1.24 X 10 <sup>2</sup> (18000)	>1.24 X 10 <sup>2</sup> >(18000)

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		CD (%) min.	$8.27 \times 10^1$	$>8.27 \times 10^1$
			(1200)	>(1200)

8. Limited Warranty:

MIGVAN 2002 warrant that, under normal use & service, the material & workmanship of their products shall confirm to the standards set forth on the applicable technical data sheet for a period of twelve (12) months from the date of sale to the first consumer purchaser. Dealers & distributors are provided with the technical data sheets, which contain specific standards of performance of the product. In the event that a MIGVAN 2002 Industries Limited or a MIGVAN 2002 product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product, which is defective, at the manufacturer's sole discretion. This warranty is not transferable, and expires upon resale or transfer by first purchaser. This warranty shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper fabrication or installation, improper maintenance. No other warranties, expressed or implied, are made. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use, or inability to use the product, or for any special, indirect, incidental, or consequential damages. No fabricator, installer, dealer, agent or employee of MIGVAN 2002 Industries Limited and MIGVAN 2002 Panel Product Limited has the authority to modify the obligation or limitation of this warranty.



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