

# FORMICA® LAMINATE BY FORMICA GROUP



## NON-DECOR MAGNETIC LAMINATE BOARD TECHNICAL DATA

### PRODUCT DESCRIPTION

Formica® Non-Décor Magnetic Laminate Board is a high pressure non-decorative laminate with an iron foil incorporated under the surface. It is 2-sided sanded to allow for bonding to the substrate on one side and to any Formica® brand decorative laminate to the other side. The iron foil gives the non-décor laminate its magnetic qualities which transfer through any adhered Formica® brand decorative laminate. This provides the option of turning any Formica® decorative laminate into a magnetic surface.

Grade M-8 Size: 4' x 8'

Thickness: 0.034in 0.86mm

**NOTE:** Typical neodymium magnets will work; however, the thinner sheet magnets typically used for refrigerators are too weak.

### FABRICATION AND ASSEMBLY HANDLING AND STORAGE

Formica® Non-Décor Magnetic Laminate Board should be stored in the same conditions as other DecoMetal® and Formica® laminates. Formica® Non-Décor Magnetic Laminate Board should be stored and transported flat as failure to do this can cause irreversible damage to the sheet and will be more difficult to fabricate

### FABRICATION

Formica® Non-Décor Magnetic Laminate Board can be fabricated using similar techniques to all other Formica® Laminate; however, the following recommendations should be followed to ensure a good finish.

The HPL, non-décor magnetic board and substrate to be used should all be acclimated for a minimum of 48hrs in same shop prior to bonding.

To cut the Formica® non-décor magnetic laminate board, TCT circulate saw blades should be used with a minimum of 60 teeth per blade with a tooth thickness of 1.8mm. The diameter of the blade should be 305mm. Saw blades with a negative hook are also recommended.

Care should be taken when cutting the magnetic laminate sheets as sparks and flying chipping can occur. Eye protection must be worn even when guards are in place!

Formica® Non-Décor Magnetic Laminate Board cannot be trimmed like conventional Formica® laminates, as the cutters burn out very quickly due to the steel content of the laminate. For sizing, it is recommended that the laminate is bonded to a substrate and then cut to size.

First, apply the non-décor magnetic laminate board to an approved substrate (MDF or particleboard) using contact or PVA adhesives.

Then apply the HPL sheet to the non-décor magnetic laminate board with contact not PVA.

**NOTE:** PVA will not bond 2 laminate surfaces together as it is 50% water and it will not migrate into the laminate as it would with a MDF or Particleboard semi-permeable substrate.

The sawn edge can be smoothed with a file to remove any burrs.

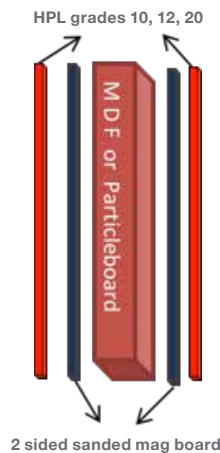
Cold or hot pressing can be done; maximum temperature for hot pressing is 60°C or 140°F. All adhesive spillage should be removed immediately with a damp cloth. Laminate to backer will need to be done with contact and pressure nip or "J" rollers.

### BALANCING

For critical applications, (such as doors, partitions and free swing panels) panels laminated with Formica® non-décor magnetic laminate board should be balanced with the same non-décor magnetic laminate board and HPL on the reverse. A minimum bonded sheet thickness of ½". is recommended. No guarantees of flatness can be given on sheets less than this thickness.

For less critical applications whereby panels are bonded to a wall or structure, a Formica® Brand Grade 99 backer may be used. Panels must be mechanically bonded using Z-clips, French cleats or screwed to studs. Attachments must span at least 75% of width and length of panels to lock down any potential for warpage.

#### CRITICAL APPLICATION



#### LESS CRITICAL APPLICATIONS



**NOTES:** The above is intended as a guide only. It is recommended that tests be carried out before any major fabrication is undertaken..

**CAUTION:** Steel based laminates will generate sparking thus all dust collection equipment should be turned off to avoid a fire hazard.

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### LIMITED WARRANTY

Formica Corporation expressly warrants that, for a period of one (1) year from the date of first sale, these products will be reasonably free of defects in materials and workmanship, and that when properly handled and fabricated, will conform, within accepted tolerances, to applicable manufacturing specifications. This limited warranty only applies to

Formica® Brand laminate which is stored, handled, fabricated and installed in the manner recommended by Formica Corporation. Due to the variety of uses and applications to which Formica® Brand laminate may be put, FORMICA CORPORATION CAN MAKE NO WARRANTY THAT THIS PRODUCT IS SUITABLE FOR ANY PARTICULAR PURPOSE AND CAN MAKE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, OTHER THAN THOSE SET FORTH ABOVE.

Buyer's exclusive remedy for any loss or claim resulting from the use or inability to use this product shall be replacement of the defective laminate, or at the option of Formica Corporation, return of the product and refund of the purchase price. IN NO EVENT SHALL

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### MANUFACTURER

Formica® Brand Laminate sheets are manufactured by Formica Corporation.

### TECHNICAL SERVICES

Technical assistance may be obtained through your local Formica® Brand Products Distributor or from Formica Corporation trained representatives in sales offices throughout the country. To assist these representatives, Formica Corporation maintains a sales and technical services staff in Cincinnati, Ohio. For technical assistance, contact your distributor or sales representative; write the company directly at Formica Corporation Technical Services Department, 10155 Reading Road, Cincinnati, OH, 45241; call (513) 786-3578 or 1-800-FORMICA™; or fax (513) 786-3195. In Canada, call 1-800-363-1405. In Mexico, call (525) 530-3135.

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