

# DRY ERASE MARKERBOARD LAMINATE



## TECHNICAL DATA

### PRODUCT DESCRIPTION

Melamine impregnated decorative surface papers are combined with phenolic treated kraft paper and consolidated in a press at high pressures. The sheet back is sanded to maintain a uniform thickness and facilitate bonding. All Formica laminate in a Gloss-90 finish can be used as dry erase markerboard.

### RECOMMENDED APPLICATION

Formica® Brand Gloss-90 laminate, available in both Grades 12/HGP and 20/VGP, is intended for application to horizontal and interior vertical surfaces where a high gloss durable, nonabsorbent dry erase marker board surface is required.

### FABRICATION AND ASSEMBLY

#### LIMITATIONS

Formica® Brand dry erase marker board laminate is designed for horizontal and interior vertical use. Do not adhere directly to plaster, drywall (gypsum board), or concrete. Do not use in areas exposed to temperatures exceeding 275°F (135°C). **Finished panel width should not exceed 24" (61cm) maximum for Grade 20/VGP when using contact adhesive.** Product suitable for nonmagnetic surfaces only.

**NOTE:** Due to potential gloss variations, do not hot press. Cold pressing with PVA and Contact adhesives are preferred methods.

#### STORAGE

Dry erase markerboard laminate should be stored horizontally with a caul board or other protective sheet placed on top to protect the material from possible damage. The material should be protected from moisture, and should never be stored in contact with the floor or an outside wall. Optimum conditions for storage are approximately 75°F (24°C), and 45% to 55% relative humidity.

#### PRECONDITIONING

Prior to fabrication, allow both the laminate and substrate to acclimate for at least 48 hours at the same ambient conditions. Optimum conditions are approximately 75°F (24°C), and relative humidity of 45% to 55%. Provisions should be made for the circulation of air around the materials.

**NOTE:** Stress cracking can result when high-moisture material is glued and subsequently exposed to low humidity conditions. However, overly dry material may expand and cause bubbling if improperly glued.

#### SUBSTRATES

Dry erase markerboard laminate should be bonded to an appropriate substrate, such as #45 density particleboard (CS 236-66: Type 1, Grade B, Class 2), or Medium Density Fiberboard (MDF). 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, and should be clean, free of oil or grease, and uniform in thickness.

#### ADHESIVES

Contact, semi-rigid (PVCc), or rigid (urea, resorcinol) adhesives may be used. Follow the adhesive manufacturer's recommendations.

Certain combinations of substrate and/or adhesive can cause telegraphing.

#### ASSEMBLY

Material, equipment, and workmanship should conform to the industry standard practices, conditions, procedures, and recommendations as specified by ANSI/NEMA LD3-2005, Annex A.

Dry erase markerboard laminate can be sawn, drilled, routed, and fabricated using standard carbide-tipped cutting tools.

### USE AND CARE

**Use only markers that are designed for use on erasable markerboard surfaces.** Dry erase writing can be removed with "white board" eraser or a clean dry micro cloth.

Formica® Brand dry erase markerboard laminate may be cleaned with a damp cloth and mild detergent. Shadows and ghosting may be removed with markerboard cleaner and conditioner designed specifically for dry erase surfaces.

Do not polish or wax the surface.

If in doubt about the suitability of a particular cleaner or detergent, check with its manufacturer.

Use of abrasive cleaners, powders, scouring pads, steel wool, sandpaper, etc., will damage the finish and permanently reduce the performance of the decorative dry erase markerboard surface.

Acid or alkaline-based cleaners, compounds, etc., will mar, etch, corrode, and permanently discolor the decorative surface of laminate, severely affecting the appearance and performance. Never use these materials on the dry erase markerboard laminate, nor allow containers, rags, etc., contaminated with them to contact the surface. Accidental spills or splatters from these harsh materials should be wiped off immediately, and the area cleaned thoroughly with a damp cloth; however, a reduction in performance properties may occur.

#### EXAMPLES OF THESE MATERIALS ARE:

drain cleaners	rust removers
coffee pot cleaners	metal cleaners
ceramic cook-top cleaners	tub and tile cleaners
chlorine bleach	oven cleaners
some "countertop cleaners"	toilet bowl cleaners lime, mildew, and soap scum removers
disinfectants	

Even though the surface of the laminate is protected with a peelcoat, inspect the router base and bit guide bearings before routing, and check on a piece of scrap material, to make sure that you will not scratch the surface during fabrication.

Panel assemblies should be laminated with the appropriate backing sheet to minimize warpage. Optimum balancing is obtained by bonding the same surface laminate on both sides of the assembly with the same adhesive. For less critical applications, the selection of an appropriate backer, such as Formica® Brand Grade



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C2/BKH or 91/BLK, depends on the specific application. Always align sanding marks in the same direction.

All inside corners of cutouts must be radiused as large as possible, 1/8" (3.18mm) minimum to avoid stress cracking. The edges and corners should be routed, sanded, or filed smooth and free of chips or nicks.

### SIZES

Please reference the Formica® National Product Guide for Gloss-90 availability.

	TYPICAL THICKNESS	NEMA THICKNESS RANGE
Grade 12 (HGP)	.035" (0.9mm)	.031" - .039" (0.5mm - 1.0mm)
Grade 20 (VGP)	.027" (0.7mm)	.024" - .032" (0.6mm - 0.8mm)

### COLORS, PATTERNS AND FINISH

Formica® Brand dry erase markerboard laminate is available in all colors in a polished finish as a factory order only.

Samples are available from Formica Corporation specification representatives or directly from Formica Corporation. Call 1-800-FORMICA™ or visit [www.formica.com](http://www.formica.com)

### HOW TO SPECIFY

Surface (and appropriate backing sheet) shall be Formica® Brand Laminate by Formica Group, Cincinnati, Ohio.

COLOR NUMBER \_\_\_\_\_

COLOR NAME \_\_\_\_\_

GRADE \_\_\_\_\_

FINISH **-90 (POLISHED ONLY)**

SIZE \_\_\_\_\_

### 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 dry erase markerboard 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 dry erase markerboard 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 FORMICA CORPORATION BE LIABLE IN EITHER TORT OR CONTRACT FOR ANY LOSS OR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES.

This limited warranty gives the purchaser of Formica® Brand dry erase markerboard laminate specific legal rights. Other rights may be available which vary from state to state.

Any information or suggestion concerning applications, specifications or compliances with codes and standards is provided solely for your convenient reference and without any representation as to accuracy or suitability. Formica Corporation disclaims any legal responsibility. The user must verify and test the suitability of any information or products for the specific application.

### IMPORTANT NOTICE

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NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

### 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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