Laminite

Magnetic Writing Surface









Laminite

PRODUCT PERFORMANCE

- » High Quality Dry-Erase Magnetic Surface:
 - smooth writing
 - extraordinary post-formability
 - excellent erasability
 - best quality/value ratio
- » Laminite surfaces are the most cost-effective solution for producing high-quality magnetic whiteboards with the above characteristics. They cost up to 50% less than traditional painted and lacquered surfaces (no traditional wooden core or perimeter moulding) and deliver a superior surface for writing and erasing.

★ 10-YEAR WARRANTY ★

All Laminite" features are tested at the production stage, according to the most stringent industry standards.

PRODUCT CHARACTERISTICS

- » PET film co-laminated to a steel magnetic sheet, with a smooth finish.
- » Wide variety of white and metallic finishes. Other colors available, depending on volume.
- » Specular gloss (60°) is optimized above 90°.
- » Excellent properties:
 - unique composite finish
 - exceptional durability and strength
 - perfect adherence of film to steel
 - corrosion resistance
 - outperforms all industry standards!



PRODUCT COMPOSITION

MATERIAL DESCRIPTION

Highly formable low-carbon ASTM A653 steel that's been continuous hot-dip galvanized. Steel sheets are pre-coated with polyester-resin-based paint and co-laminated with PET (polyester) film. A back coat with primer is applied to the other side to promote adhesion.

STANDARD METALLIC SUPPORT

Continuous hot-dip galvanized steel with low carbon content for cold forming.

» Other metallic support available:

- Flat cold-rolled products in low-carbon-content steel

» Protective film

- Type of film: low-density polyethylene with anti-UV treatment
- Standard thickness: 50 microns (0.02")
- Standard colour: neutral transparent
- Adhesive: acrylic (water based)

» Coating

Modified polyester-resin-based paint with high chemical and mecanical resistance, purposely formulated for various fields of use, co-laminated with PET film for a smooth finish and high surface hardness.





Laminite^{*} – PERFORMANCE & TECHNICAL SPECIFICATIONS

	PROPERTY	TEST METHOD	REQUIREMENT	
1	Color	Spectrophotometric color evaluation using a Macbeth Color-Eye 7000 or equivalent per ES2-08-10. ASTM D 2244	Tolerance MAX ΔE oscillation 0.8	
2.	Adherence of Coating	ASTM D3359-95 test B method	No coating detachment observed	
3.	Resistance to Bending	ECCA T7	1T	
4.	Resistance to Rapid Deformation	ASTM D2794-93 method	No cracking was observed within x10 magnification	
5.	Resistance to Salt Spray Fog	ASTM B117-95	Absence of rust formation with film detachment along the incision line > 2 mm. Cycle of: • Cold rolled support: 300 hours • HDG support (50 + 50 g): 500 hours	
6.	Resistance to 100% Relative Humidity	ASTM D2247-94	No detachment was noticed after a 1000-hour cycle	
7.	Specular Gloss	ASTM D523-89 (60°)	93/94 degrees. The gloss level readings are affected by the type of finish.	
8.	Pencil Hardness	ASTM 3363-92	2Н	
9.	Water Resistance	Sample immersed in distilled water at 120°	No loss of adhesion noticed after a 1000-hour cycle	
10.	Fastness to Artificial Light	ASTM G53-96	ΔE color variation < 1.5 at: • Temperature: 55+/-3° (131°F) • Lamps: UV-A 340 • Cycle: Irradiation only	
11.	Abrasion Resistance	ASTM D4060-90 Taber Abraser, CS-10 wheels, 500 gram/wheel, 1000 cycles	0.026-0.027 maximum weight loss per 1000 cycles	
12.	Stain Resistance	ASTM D1308-87 method. Lipstick & mustard	No perceptible alterations were observed after 24 hours	
13.	Resistance to Rubbing	Sample exposed to 50 double rubbings with cotton pads soaked in MEK (Methyl Ethyl Ketone)	The film showed no signs of alteration	

PRODUCT STRUCTURE

Laminite^{*} can be produced on a wide range of steel thicknesses according to client measurements.

STEEL THICKNESS			MAXIMUM WIDTH		
Gauge	mm		Inches	mm	
18	1.2		59.0	1500	
20	1.0		59.0	1500	
21	0.8		59.0	1520	
22	0.7		59.0	1500	
24	0.6		59	1500	
28	0.4		49.2	1250	



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