

Wilsonart® Markerboard Laminate

TECHNICAL DATA SHEET FOR SURFACE FINISHES – 09

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DESCRIPTION

Wilsonart® Markerboard Laminate has been developed and specifically designed for the special needs of applications requiring a durable, gloss decorative surface that ensures easy erasure of dry erase markers whilst also offering superior performance and impact resistance for vertical surfaces.

APPLICATION

Wilsonart® Markerboard Laminate is ideal for all applications where dry wipe or liquid chalk markers are to be used, including presentation areas, schools, conference rooms, planning centres and offices where a functional, durable, decorative, and dry erase performance is required. Marker must be Xylene free.

Suitable makers include:

- Expo Dry Erase Marker
- Texta Liquid Chalk Marker

SURFACE FINISH

Wilsonart® Markerboard Laminate is stocked locally in one surface texture and two decors colours - Frosty White 1573-09 & Black 1572-09

09 Gloss

A smooth gloss finish that facilitates easy removal of dry or wet erase markers.
Nominal Glossometer Reading = 10

NOTE: Glossometer readings are made at a 60° angle of incidence. MD refers to the machine direction of a laminate sheet, and CD refers to the cross direction.

TECHNICAL DATA

Wilsonart® Markerboard	Type 136 HGS	NEMA Standard
Standard Sheet Size	3660 x 1530mm	-
Nominal Thickness	1.22mm	1.20mm
Thickness Tolerance	± 0.13mm	± 0.12mm

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TECHNICAL DATA – Continued

NEMA Test	Markerboard	
	Type 136 HGS	ISO 4586-3
Surface Wear Resistance (cycles)	700	350 (min)
Appearance	No ABC def.	No ABC def.
Boiling water Resistance	No effect	Slight Effect -Gloss No Effect - Other finishes
High Temperature Resistance	No effect	Slight Effect -Gloss No Effect - Other finishes
Radiant Heat Resistance	120 seconds	80 sec. (min)
Light Resistance	Slight effect	Slight effect
Cleanability (cycles)	10	20 (max)
Stain Resistance		
Reagents 1-10	No effect	No effect
Reagents 11-15	No effect	Moderate effect
Impact Resistance	1651mm	800mm
Dimensional Stability		
Machine Direction	0.3%	1.1% (max)
Cross Direction	0.7%	1.4% (max)

*Markerboard Laminate is not specifically covered in ANSI/NEMA LD3-2005 standards. However, the physical properties of this product conform closely to specifications listed in standards for thickness, performance properties and appearance. Various grades of Wilsonart Laminates meet or exceed the International Standards Organization specifications as found in ISO 4586, titled, “High-Pressure Decorative Laminate (HPDL) - Sheets Based on Thermosetting Resins - Part I: Specifications.”

This technical data sheet was prepared using information gathered at the time of publication. Whilst Wilsonart Australia endeavours to update this information and maintain accuracy and currency of its content, it should only be used as a guide and not necessarily be regarded as applicable to all situations. Wilsonart Australia cannot guarantee that the information provided is wholly comprehensive, nor is this information intended as an alternative to any testing that the user may conduct to determine the suitability of the product for a particular application. Wilsonart Australia reserves the right to revise specification data at any time without notice.

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| FIRE PERFORMANCE

Group Classification Number AS/NZS 3837-1998	Group 1
Average Specific Extinction Area	10.3 m ² /kg

| ENVIRONMENTAL DATA

Greenguard Indoor Air Quality Certification
ISO 14025 and EN 15804

| CARE AND MAINTENCE

The modified melamine surfaces will not be affected by the repeated use of Dry Wipe or Liquid Chalk Markers provided the correct cleaning procedures are adopted.

- Allow the ink to dry on the surface before removing.
- Only use Markerboard makers.
- Do not use permanent solvent or xylene-based markers.
- Do not leave marker on the surface for more than 30 days.
- Clean panels weekly as a minimum.
- Whiteboard Eraser type products are not recommended.
- Use a soft damp microfiber cloth to wipe off the marker ink.
- Avoid heavy rubbing of the surface with dry cloths or paper towels.

For best cleaning results the following cleaners with a microfibre cloth are recommended on a regular basis and to remove build-up or shadowing of ink:

- Quartet Board Extra Strength Board Cleaner
- Windex
- Methylated Spirits

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BRANDED CLEANER & SANITIZER RESISTANCE

Branded cleaner and sanitisers resistance for Wilsonart[®] Markerboard Laminate.
No effect was exhibited except if noted (* or **) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

FABRICATION & ASSEMBLY RECOMMENDATIONS

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and “Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program” guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart[®] Markerboard Laminate must be bonded to a substrate of reliable quality, such as particleboard, medium density fibreboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Markerboard Laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions.

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| FABRICATION & ASSEMBLY RECOMMENDATIONS - Continued

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 3.175mm radius and all edges should be routed smooth.

Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.

Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.

Recommended conditioning temperature is about 24°C. Laminates should be conditioned at 45% to 55% relative humidity.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

NOTE: Markerboard Laminate is shipped without protective film.

| CONTACT

For further information on this product contact:

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