

## 1. Manufacturer

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## 2. Product Description

### **Recommended Uses**

Wilsonart® Markerboard Laminate Type 156/336, is provided for the special needs of applications requiring a durable, gloss decorative surface that ensures easy erasure of dry erase markers.

Wilsonart® Markerboard Laminate is ideal for applications where liquid chalk is to be used, including presentation areas, schools, conference rooms, planning centers and offices.

- General Purpose Type 156 is the usual choice where increased impact resistance for vertical surfaces is required.
- Vertical Grade Type 336 is the usual choice for vertical applications where a functional, durable, decorative, and dry erase performance is required.

### **Product Composition**

Wilsonart® Markerboard Laminate is constructed from 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. Sheets are then bonded at pressures greater than 1000 pounds per square inch and at temperatures approaching 300°F (149°C). Finished sheets are trimmed and the backs sanded to facilitate bonding.

### **Basic Limitations**

Wilsonart® Markerboard Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Wilsonart® Markerboard Laminate to extremes in humidity, temperatures over 275°F (135°C) for sustained periods of time, or intense, continuous, direct sunlight.

### **Colors: Type 156**

1573, D354, D381, D498, D501, D502

No other patterns or colors are available as Wilsonart 156 Markerboard Laminate. 3"x5" or 8"x10" samples are available for evaluation by calling 1-800-433-3222.

### **Colors: Type 336**

1573, D354, D381, D498, D501, D502

No other patterns or colors are available as Wilsonart 336 Markerboard Laminate. 3"x5" or 8"x10" samples are available for evaluation by calling 1-800-433-3222.

## Finishes

#9 Gloss ONLY - A smooth gloss finish that facilitates easy removal of dry erase markers.

Nominal Glossometer Reading = 110

NOTE: Nominal Glossometer Readings are made at a 60° angle of incidence

## Sheet Sizes

48" x 96" (1219mm x 2438mm)
48" x 144" (1219mm x 3657.6mm)
60" x 144" (1524mm x 3657.6mm)

## Thickness and Weight

Description	156	336
Thickness	0.036" ± 0.005" (0.91mm ± 0.13mm)	0.028" ± 0.004" (0.71mm ± 0.03 - 0.10mm)
Weight per square foot	0.260#	0.186#

### 3. Technical Data

#### Physical Properties of Wilsonart® Markerboard Laminate

ISO 4586 Test	Typical Wilsonart Type 156/336 Value	ISO 4586-3 HGS
Surface Wear Resistance (cycles)	700/900	350 (min.)
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	150 seconds	≥ 200 sec.
Stain Resistance Reagents 1-10 Reagents 11-15	No effect No effect	No effect Moderate effect
Light Resistance	Slight effect / Moderate Effect	Slight effect
Dimensional Stability Machine Direction Cross Direction	0.3% 0.7%	1.1% (max.) 1.4% (max.)
Impact Resistance	65" (1651mm) / 31.5" (800mm)	31.5" (800mm)
Cleanability (cycles)	10	10
Appearance	No ABC defects	No ABC defects

\*Wilsonart® Markerboard Laminate is not specifically covered in ISO 4586 standards. However, the physical properties of this product conform closely to specifications listed in standards.

#### Typical Fire Test Data

Test data for Wilsonart® Markerboard Fire-Rated Laminate are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Testing Method for Surface Burning Characteristics of Building Materials). This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.

### Typical Flame Spread and Smoke Developed Properties

Wilsonart Product	Flame Spread	Smoke Developed
156	N/A	N/A
336	40	155

Note: Independent test conducted on unsupported laminate.

### Model Code Designations used to determine flame spread classification

Flame Spread Classification (Maximum Rating)	International (IBC)	Life Safety (NFPA 101)
25	A	A
75	B	B
200	C	C

Reference: Architectural Woodwork Quality Standard, 8<sup>th</sup> Edition, Version 1.0 - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

### Codes and Certifications

Code compliances have not yet been determined for finished installation of this state-of-the-art decorative laminate. You are urged to consult with product manufacturers and applicable code authorities in your choices of adhesive, substrate and design for end applications.

### General Standards

Wilsonart® Markerboard , types 156 and 336, conform to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Wilsonart® Markerboard is not specifically covered in the International Standards Organization specifications as found in ISO 4586, but the physical properties of this product conform closely to specifications listed in standards titled “High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications.”

The UL GREENGUARD Environmental Institute has awarded its UL GREENGUARD Indoor Air Quality Certification to Wilsonart® Markerboard Laminate. All Markerboard Laminate product types were tested under the stringent UL GREENGUARD Standards for low-emitting products. All UL GREENGUARD Indoor Air Quality Certified products ensure minimal impact on the indoor environment. For a copy of the certificate, visit [www.greenguard.org](http://www.greenguard.org).

### Specific Product Standards

U.S. Federal Specification L-P 508H, April 9, 1977, “Plastic Sheets, Laminated, Decorative and Non-Decorative,” spells out criteria for decorative laminates for federal installations.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Markerboard per ISO 4586-2 Method 31 (B) No effect was exhibited except as noted (\* or \*\*) on the following:

1. Benefect®
2. Clorox® Anywhere® Hard Surface Sanitizing Spray\*
3. Clorox® Clean-Up (Cleaner & Bleach)
4. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
5. Clorox® Disinfecting Spray
6. Clorox® Disinfecting Wipes
7. Clorox Healthcare® Bleach Germicidal Cleaner \*
8. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant
9. Clorox Healthcare® Fuzion® Cleaner Disinfectant\*
10. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
11. Clorox® Total 360 Disinfectant Cleaner
12. Expose® II 256

13. Fabuloso® Complete (Multi-Purpose Cleaner)
14. Lysol® Professional Disinfectant Spray
15. Microban® 24 Hour (Multi-Purpose Cleaner)
16. Oxivir® 1
17. Oxivir® TB
18. PDI Sani-Prime® Germicidal Spray
19. PDI Super Sani-Cloth® Germicidal Disposable Wipes
20. PURELL® Advanced Instant Hand Sanitizer
21. Purell® Food Service Surface Sanitizer
22. Purell® Professional Surface Disinfectant
23. Purell® Healthcare Surface Disinfectant
24. Simple Green® Concentrated (All-Purpose Cleaner)
25. Spic and Span® Everyday (Antibacterial Cleaner)
26. Stride® Floral Neutral Cleaner
27. Virex® II 256

Test procedure: Listed materials were placed in contact with Wilsonart® Markerboard surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

\* Causes slight change of gloss or color.

\*\* Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Markerboard per BIFMA HCF 8.1-2014 (Section 6 / Modified)

No effect was exhibited except as noted (\* or \*\*) on the following:

1. Benefect®
2. Clorox® Anywhere® Hard Surface Sanitizing Spray
3. Clorox® Clean-Up (Cleaner & Bleach)
4. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
5. Clorox® Disinfecting Spray
6. Clorox® Disinfecting Wipes
7. Clorox Healthcare® Bleach Germicidal Cleaner
8. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant
9. Clorox Healthcare® Fuzion® Cleaner Disinfectant
10. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
11. Clorox® Total 360 Disinfectant Cleaner
12. Expose® II 256
13. Fabuloso® Complete (Multi-Purpose Cleaner)
14. Lysol® Professional Disinfectant Spray
15. Microban® 24 Hour (Multi-Purpose Cleaner)
16. Oxivir® 1
17. Oxivir® TB
18. PDI Sani-Prime® Germicidal Spray
19. PDI Super Sani-Cloth® Germicidal Disposable Wipes
20. PURELL® Advanced Instant Hand Sanitizer
21. Purell® Food Service Surface Sanitizer
22. Purell® Professional Surface Disinfectant
23. Purell® Healthcare Surface Disinfectant
24. Simple Green® Concentrated (All-Purpose Cleaner)
25. Spic and Span® Everyday (Antibacterial Cleaner)
26. Stride® Floral Neutral Cleaner
27. Virex® II 256

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Laminate surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2" (50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.

\* Causes slight change of gloss or color.

\*\* Causes slight damage, with degree of damage proportionate to length of exposure and concentration.

Resistance of Furniture to UV Lights for Wilsonart® Markerboard per BIFMA HCF 8.1-201X Section 9 (Alternate Method per ASTM G155 using ISO 4586-2.33 conditions) Wilsonart® Markerboard 156, and 336 conforms to BIFMA – Healthcare Furniture Design Guidelines for Cleanability, Section 9 Resistance to Furniture to UV Lights. Wilsonart® 156 and 336 meet or exceed the acceptance level for surface evaluation.

#### **4. Installation: Fabrication and Assembly Recommendations**

Fabrication should follow approved methods. Assembled pieces should meet the specification 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 fiberboard 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.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (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 75°F (24°C). Wilsonart® Markerboard Laminate 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.

#### 5. [Warranty](#)

#### 6. [Maintenance](#)

Quartet® and Expo® Dry Erase Markers are recommended for Wilsonart® Markerboard Laminate.

Wilsonart® Markerboard Laminate can be cleaned using a felt or multi-purpose board eraser. 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, Wilsonart® Markerboard Laminate can be cleaned with spray-type glass cleaners, such as Windex®, 409® Formula All-Purpose Cleaner, Isopropyl Alcohol or Zep® Write-Away Graffiti & Ink Remover. Hard-to-remove stains can be treated with a 2-minute exposure to hypochlorite bleach, such as Clorox®, immediately followed by a clean water rinse.

Various whiteboard cleaners and conditioners, such as Quartet, Expo, or Windex, available through local office supply stores, are excellent products for thorough cleaning. Remember to clean erasers often by wiping to remove dry-erase marker residue.

**7. Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am –5 pm, CST.

**Specification Form:**

Surface shall be Wilsonart® Markerboard Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110.	
Type:	Specify 156 (.039" Thickness) or 336 (.028" Thickness)
Surface: 1573 Frosty White, D354 Designer White, D381 Fashion Grey, D501 Orange Grove, D498 Island, D502 Ocean	
Adhesive:	
Name:	_____ Grade/Type: _____
Brand:	Wilsonart® Adhesive
Material shall equal or exceed performance standards set by the ISO 4586 Standards for high-pressure laminate. Fabrication shall comply with "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute.	

Wilsonart® Markerboard Laminate Technical Data  
Revised: January 5, 2021  
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