

1. Manufacturer

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2. Product Description

Recommended Uses

Wilsonart® Chalkboard Laminate, Type 137, is provided for surface applications requiring a durable, decorative surface for easy erasure of standard writing chalk for Vertical and Horizontal applications. Wilsonart Chalkboard Laminate is ideal for use in presentation areas, school classrooms, conference rooms, planning centers, and offices.

- **General Purpose Type 137** is also used where increased impact resistance for vertical surfaces is required.
- **Wilsonart® RE-COVER™ Chalkboard Type 737** is an innovative new option for laminate installation and resurfacing for desks, tables, doors, and walls. Wilsonart RE-COVER Chalkboard Laminate must be bonded to a suitable substrate such as particleboard, medium density fiberboard, plywood with one “A” face, previously bonded high pressure (or low pressure) decorative laminate (melamine board), or painted/stained wood substrates.

Product Composition

Chalkboard laminate is made with decorative surface papers that are impregnated with melamine resins and pressed over kraft paper core sheets impregnated with phenolic resin. 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 Chalkboard Laminate is for interior use only. It is not a structural material and must be bonded to a suitable substrate; see fabrication and installation instructions below in paragraph 4. Do not bond it directly to plaster, concrete walls or gypsum wallboard. Do not subject Wilsonart Laminate to extremes in humidity, temperatures over 275°F (135°C) for sustained periods of time, or intense, continuous, direct sunlight.

Colors

4623, Graphite Nebula

No other patterns or colors are available in Wilsonart Chalkboard Laminate.

3”x5” or 8”x10” samples are available for evaluation by calling 1-800-433-3222.

Finishes

Only available in #38 Finish. The #38 finish facilitates easy removal of standard writing chalks.

Glossometer reading: MD and CD 6 ± 4.

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

Sheet Sizes

48" x 96" (1219.2mm x 2438.4mm)

Sheet Thicknesses

Product Type	Typical Wilsonart Thickness	Weight PSF
General Purpose Type 137 (HGS)	0.039" \pm 0.005" (0.99mm \pm 0.13mm)	0.322#
RE-COVER Type 737	0.049" \pm 0.005" (1.24mm \pm 0.13mm)	0.371#

3. Technical Data

Physical Properties of Chalkboard Laminate

NEMA Test	Typical Wilsonart Type 137 Value	Typical Wilsonart RE-COVER Type 737 HGS	NEMA Standard* HGP	NEMA Standard* HGS	ISO 4586-3* HGP	ISO 4586-3* HGS
Thickness	0.039" (0.99mm)	0.049" (1.24mm)	0.039" \pm 0.004" (1.0mm \pm 0.12mm)	0.048" \pm 0.005" (1.2mm \pm 0.12mm)	0.039" \pm 0.004" (1.2mm \pm 0.12mm)	0.048" \pm 0.005" (1.2mm \pm 0.12mm)
Surface Wear Resistance (cycles)	1650	1650	400 (min.)	400 (min.)	350 (min.)	350 (min.)
Boiling Water Resistance Gloss Other Finishes	No effect	No effect	Slight effect	No effect	Slight effect No effect	Slight effect No effect
High Temperature Resistance Gloss Other Finishes	No effect	No effect	Slight effect	Slight effect	Slight effect No effect	Slight effect No effect
Radiant Heat Resistance	205 seconds	210 sec. (min.)	100 secs. (min.)	125 secs. (min.)	\geq 200 secs.	\geq 200 secs.
Stain Resistance Reagents 1-10 Reagents 11-15	No effect No effect	No effect Moderate effect	No effect Moderate effect	No effect Moderate effect	No effect Moderate effect	No effect Moderate effect
Light Resistance	Slight effect	Slight effect	Slight effect	Slight effect	Slight effect	Slight effect
Dimensional Stability Machine Direction Cross Direction	0.250% 0.6%	0.5% max. 0.9% max.	1.1% max. 1.4% max.	0.5% max. 0.9% max.	1.1% max. 1.4% max.	1.1% max. 1.4% max.
Impact Resistance	55" (1016mm)	65" (1270mm)	30" (508mm)	50" (1143mm)	23.5" (600mm)	31.5" (800mm)
Cleanability (cycles)	13	13	20 (max.)	20 (max.)	20 (max.)	20 (max.)
Appearance	No ABC defects	No ABC defects	No ABC defects	No ABC defects	No ABC defects	No ABC defects

*Chalkboard Laminate is not specifically covered in ANSI/NEMA LD3-2005 or ISO 4586 standards. However, the physical properties of this product conform closely to specifications listed in standards.

Typical Fire Test Data

Chalkboard Laminate is fire-rated and the ratings 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 Type	137	737
Flame Spread	90	NA
Smoke Developed	40	NA

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, 8th 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

Building codes for Chalkboard Laminates have not been determined at this time. Please consult with local authorities regarding any applicable codes for such products in your area. 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 Laminate Type 137/737 conforms to the voluntary standards of the American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA) LD3-2005, for thickness, performance properties and appearance. Wilsonart Laminate 137/737 meets or exceeds the International Standards Organization specifications as found in ISO 4586, 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 Laminate. All Wilsonart 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.

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.

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 Chalkboard 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. Chalkboard Laminate may not be used as structural members.

Bond with proper 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). 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: Chalkboard Laminate is shipped without protective film.

5. [Warranty](#)

6. [Maintenance](#)

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® Chalkboard Laminate or RE-COVER Chalkboard Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110.

Type: Specify 137 (or 737)

Surface

Pattern Number: 4623 Pattern Name: Graphite Nebula Finish Number: 38

Name: _____

Edge Trim

Pattern Number: _____ Pattern Name: _____

Adhesive

Name: _____ Grade/Type: _____

Brand: Wilsonart® Adhesive

Material shall equal or exceed performance standards set by the American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA) LD3-2005 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® Chalkboard Laminate Technical Data Type 137/737 TD

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