

Wilsonart® Cabinet Liner Sheets (Type 101) Technical Data

Distributor and/or Manufacturer

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Product Description

Recommended Uses

Wilsonart® Cabinet Liner sheets are designed for use in a three (3) ply fabrication on the backside of substrates faced with Wilsonart® High Pressure Decorative Laminates. Types of fabricated pieces using these products include contract and residential furniture, wall panels, countertops, and cabinetry. Wilsonart® Cabinet Liner sheets are designed to provide attractive lining and facing surfacing for cabinetry interiors such as shelves, drawers and cabinet doors and walls. They are solely intended for application to the unexposed backs of pieces faced with High Pressure Decorative Laminate and not for use as a structural material or to be mechanically fastened. They provide the fabricated piece with balance and protection from the effects of humidity in their normal use.

Wilsonart® Cabinet Liner sheets are available in various types and thicknesses. Typically cabinet liner backer sheets should be about the same thickness as the thickness specified for the decorative face laminate used in the application.

Product Composition

Wilsonart® Cabinet Liner sheets are composed of kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 lbs. per square inch at temperatures approaching 300° F (149° C). Finished sheets are trimmed and the back sanded to facilitate bonding.

Basic Limitations

Wilsonart® Cabinet Liner sheets are designed for interior use only and should not be subjected to extremes in humidity or temperatures higher than 275°F (135°C) for substantial periods of time. They should not be installed where they will be continuously exposed to intense, direct sunlight.

Materials and Finishes

Because Wilsonart® Cabinet Liner sheets are produced primarily for application to unexposed surfaces, the Cabinet Liner sheets has one side in a decorative solid color and the other side is sanded to facilitate bonding.

Color Availability: **More than 90 patterns available**

Note: Please check pattern availability at www.wilsonartlamine.com

Finish:

- #60 Matte

A textured finish with a moderate reflective quality. *Glossometer reading: MD and CD 10 ± 2.*

Product Type Available:

Type	101
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Sheet Width	36" (914mm)	48" (1219mm)	60" (1524mm)
Sheet Length	96" (2438mm)	120" 3048mm	144" (3658mm)

Note: An 8 sheet minimum order applies to 3x8', 3x10, 3x12', 4x10', 4x12', 5x8' & 5x10' sizes.

Sheet Thickness

Product Type	Sanded Sides	Thickness
101	One	0.020" + 0.004 / - 0.00 (0.51mm + 0.10/ - 0.0)

Technical Data

General Standards

Wilsonart® Cabinet Liner sheets Type 101 conforms to the relevant standards of the American National Standards Institute/ National Electrical Manufacturers Association (ANSI/NEMA), LD 3-2005, for thickness, performance properties and appearance.

Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society of Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.1 of the test method. This procedure is cataloged by Underwriters Laboratories Inc. as UL 723.

Typical Flame Spread and Smoke Developed Properties

Product Type	Test Condition	Flame Spread	Smoke Developed
Cabinet Liner, Type 101	Unbonded	30	60

When you wish to specify decorative laminate for a Class 1 or A fire rating, please refer to the Fire-Rated Laminate Tech Data.

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.

Fabrication and Assembly

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-162.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart® Cabinet Liner sheets must be bonded to a suitable substrate of reliable quality, such as 45 lb. density particleboard, medium density fiberboard or plywood with one "A" face. All decorative laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Wilsonart® Cabinet Liner sheets may not be used as structural members.

Wilsonart® Cabinet Liner sheets may be bonded with most adhesives. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding applications. Please follow all manufacturers' recommended instructions and technical data information.

Take care to ensure an appropriate acclimation between the laminate the substrate and the cabinet liner sheets prior to fabrication. The materials should be acclimated/conditioned a minimum of 48 hours before fabrication.

The recommended conditioning/acclimation temperature for the materials is approximately 75°F (24°C), with 45-55% relative humidity.

Carbide-tipped saw blades and router bits are recommended for cutting. High tool speed and low feed rates are advisable. Cutting blades and bits should always be kept sharp. The use of a hold-down bar is recommended to prevent vibration.

Care and Maintenance

The decorative surface of the Wilsonart® Cabinet Liner sheet may be cleaned with warm water and mild soaps, such as those used for hands or dishes. Do not use cleansers that contain abrasives, acids or alkalis; they will damage the decorative surface. Remove stubborn stains with a 2-minute exposure to hypochlorite bleach such as Clorox®, followed by a clean water rinse. We recommend that you not allow any of the following agents to remain in contact with the decorative surface:

1. Hypochlorite bleach, except as described above
2. Hydrogen peroxide solution
3. Mineral acids, hydrochloric acid such as Lime-A-Way™, sulfuric or nitric acid
4. Caustic solutions containing greater than 2% lye, such as Drano®
5. Sodium bisulfate, such as Sani-Flush®
6. Potassium permanganate
7. Berry juices
8. Silver nitrate, in 1% concentration or greater
9. Gentian violet
10. Mild silver protein, such as 20% argyrols
11. Bluing
12. Fabric dye, such as Tintex® or Rit®
13. Alcohol containing 1% iodine in solution

Technical Services

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 7 am – 7 pm, CST.

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