

1. Manufacturer

Wilsonart
2501 Wilsonart Drive
P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonart.com

2. Product Description

Wilsonart® SOLICOR™ Laminate is a High Pressure Decorative Laminate sheet available in a color-through core of white or black in a selection of finishes; Gloss, Matte, Sculpted Wood, and Fine Velvet. The continuous color core of SOLICOR laminate provides any application with a solid one-piece effect.

Recommended Uses

Wilsonart SOLICOR Laminate is suitable for interior applications such as fine quality contract furniture, fixtures, casework, and also for architectural application on interior doors, and divider systems.

- **General Purpose (HGS) Basic Type 160** High Pressure Wilsonart SOLICOR Laminate is designed for both horizontal and vertical applications where the surface must be functional, durable, high-quality, and resistant to scuff, scratch and stain.

Product Composition

Wilsonart SOLICOR Laminate is a distinctive surfacing material composed of decorative papers impregnated with melamine resins and pressed over a white decor paper core impregnated with special thermosetting resins. These sheets are then bonded at pressures and temperatures similar to HPL. Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

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

Do not subject SOLICOR to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

Patterns & Colors

Wilsonart SOLICOR Laminate is available in a partial range of Wilsonart solid colors, patterns, and finishes.

D354 Designer White	01, 60, and 88 finishes
D427 Linen	01, 60, and 88 finishes
1595 Black	01, 60, and 88 finishes
4925 Calcutta Marble	38 finish

Finishes

- #01 High Gloss
A mirror sheen finish, which gives a smooth, brilliant appearance. #01-High Gloss finish can be used for horizontal applications such as countertops and light to medium commercial applications. Excellent for vertical applications.
- #38 Fine Velvet Texture
A smooth textured finish with moderate reflective value.
- #60 Matte
Textured finish with a moderate reflective quality. It is recommended for horizontal and vertical application.
- #88 Sculpted Wood
A linear embossed woodgrain with variations of matte and gloss features, creating a sculpted dimensional effect. It is recommended for horizontal and vertical applications.

3. Technical Data

Standard Sheet Width

48"
1219mm

Standard Sheet Length

96"
2438mm

Thickness and Weight

Type	Wilsonart Thickness	Weight Per Square Foot
160	0.048" ± 0.005" (1.22mm ± 0.13mm)	0.382 lbs

Physical Properties

Property	Typical Wilsonart Type 160	NEMA Standard HGS	ISO 4586-8 BTS
Thickness	0.048" ± 0.005" (1.22mm ± 0.13mm)	0.048" ± 0.005" (1.2mm ± 0.13mm)	N/A
Appearance	No ABC defects	No ABC defects	N/A
Cleanability (cycles)	10	20 (max.)	20 (max.)
Stain Resistance Reagents 1-10 Reagents 11-15	No effect No effect	No effect Moderate effect	No effect Moderate effect
Boiling Water Resistance	No effect	No effect	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	No effect	Slight effect	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	>50" (1270mm)	50" (1270mm)	N/A
Radiant Heat Resistance	150 seconds	125 sec. (min.)	≥ 150 sec.
Dimensional Stability Machine Direction Cross Direction	0.5% 0.8%	0.5% 0.9%	0.5% 0.9%
Surface Wear Resistance (cycles)	Exceeds 400	400 (min.)	350 (min.)
Blistering	Not applicable	Not applicable	Not applicable

Codes and Certifications

General Standards

Wilsonart SOLICOR 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 SOLICOR 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.”

4. Installation, Fabrication, and 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 Standards where applicable.

Wilsonart SOLICOR Laminate must be bonded to a substrate of reliable quality, industrial 45# density particleboard, medium density fiberboard (MDF), and cabinet grade plywood are recommended. High Pressure Laminate, plaster, concrete, gypsum boards, and plywood should not be considered and are not warranted suitable substrates. Wilsonart SOLICOR Laminate may not be used as structural member.

SOLICOR has a color through core and does not have dark edges to conceal the glue line. Recommended adhesives are white or non-pigmented rigid set polyvinyl acetate (PVA) and white or non-pigmented contact types. Wilsonart offers a variety of white or non-pigmented PVA options and white or non-pigmented contact adhesives to meet the variety of bonding applications. All Wilsonart® Adhesives are available from the Wilsonart distributor. Be sure to follow adhesive manufacturer recommendations.

Utilization of a balancing sheet opposite of the SOLICOR material is required in most applications. For best results, use of SOLICOR on both sides of the panel will provide a well-balanced panel. For ideal application, the same type of adhesive, the same coverage on both sides and the SOLICOR sanding marks assembled in the same direction will provide a quality assembly. Preferred balancing material: Wilsonart SOLICOR Laminate, Type 160

To avoid stress cracking, do not use square-cut inside corners. All inside corners shall 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 a minimum 48 hours, before fabrication.

Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

Type 160 is recommended for flat surfaces only. Do not use in postforming equipment or applications.

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

- 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® SOLICOR™, produced by Wilsonart, Temple, Texas 76503-6110	
Type: Specify 160	
Surface	
Color Number: _____	Color Name: _____
Finish	
Number: _____	Name: _____
Edge Trim	
Color Number: _____	Color Name: _____
Adhesive	
Name: _____	Grade/Type: _____
Brand: Wilsonart® Adhesive	

Wilsonart® SOLICOR™ Laminate Technical Data
 Revised: February 18, 2016
 ©Wilsonart LLC