

Wilsonart® Solicor Laminate Basic Type (#160)

Technical Data

Manufacturer

Wilsonart LLC
2400 Wilson Place
P.O. Box 6110
Temple, Texas 76503-6110
Phone: (254) 207-7000; (800) 433-3222
Fax: (254) 207-2384
Web Site: www.wilsonartlaminate.com

Product Description

Recommended Uses

Wilsonart® Solicor® 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) 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® 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® 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 Wilsonart® 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® is available in a partial range of Wilsonart solid colors, patterns, and finishes.

D354 Designer White – 60 finish
D427 Linen – 60 and 1 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 application.
- ❖ #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.

Technical Data

Standard Sheet Widths

48"
1219mm

Standard Sheet Lengths

96"
2438mm

Thickness and Weight

Description	160
Thickness	0.048" ± 0.005" (1.22mm ± 0.13mm)
Weight per square foot	0.382 lbs.

Physical Properties

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

Codes and Certifications

General Standards

Wilsonart® Solicor® laminate conforms to the voluntary standards of the American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA) LD3-2005, for performance properties and appearance.

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® laminates must be bonded to a substrate of reliable quality, industrial 45# density particleboard or medium density fiberboard (MDF) 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.

Wilsonart® Solicor® has a color through core and does not have dark edges to conceal the glue line. Recommended adhesives are non-pigmented rigid set polyvinyl acetate (PVA) and non-pigmented contact types. Wilsonart offers a variety of non-pigmented PVA options and 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 Wilsonart® Solicor® material is required in most applications. For best results, use of Wilsonart® 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 Wilsonart® Solicor® sanding marks assembled in the same direction will provide a quality assembly.

Preferred balancing material:

Product Type 160 Wilsonart® Solicor® Laminate

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 post forming 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.

Warranty

Wilsonart LLC warrants to the original consumer purchaser for one (1) year after date of purchase ("Warranty Period") that, under normal use and service, Wilsonart® Solicor® Laminate Sheets are free from manufacturing defects and conform to published specifications. This warranty applies only to a Wilsonart® Solicor® Laminate Sheet which has been installed in an interior application and it remains installed at that location ("Warranted Product") and is extended only to, and may be enforced only by, the original consumer purchaser. THIS WARRANTY IS NOT TRANSFERABLE. This warranty is expressly conditioned upon submission of proof of date of purchase.

WHAT IS EXCLUDED:

This warranty shall not apply to damage arising from any of the following:

1. Accidents, abuse or misuse;
2. Exposure to extreme temperature;
3. Improper fabrication or installation; or
4. Improper maintenance or repair.

WHAT WILSONART WILL DO IF YOUR CLAIM IS COVERED BY THIS WARRANTY

Wilsonart will provide, at no cost and with delivery prepaid, a Wilsonart® Solicor® Laminate Sheet to replace the Warranted Product. Wilsonart will not pay for removal of the Warranted Product or for fabrication or installation of the replacement laminate or any other costs. No replacement under the warranty shall extend the Warranty Period.

Any replacement is limited to colors and styles of Wilsonart® Solicor® Laminate Sheets available at the time of replacement. Exact color matches may not be possible. If the original color or style is no longer available, Wilsonart has the right to substitute another Wilsonart Solicor® Laminate Sheet of equal or greater value than the Warranted Product.

WHAT YOU NEED TO DO

To make a claim under this warranty, you must contact the Wilsonart Warranty Center at the address listed below before the end of the Warranty Period. You must provide proof of date of purchase, photographs of the Warranted Product and access for inspection for warranty determination by a Wilsonart representative, and thereafter Wilsonart will provide you a determination on your claim.

Wilsonart Warranty Center
2400 Wilson Place
Temple, Texas 76504
877-537-0533... Toll Free

THE FOREGOING SHALL CONSTITUTE THE EXCLUSIVE REMEDY OF THE PURCHASER AND THE EXCLUSIVE LIABILITY OF WILSONART.

THE ABOVE WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES WHETHER ORAL OR WRITTEN. ANY IMPLIED WARRANTIES WHICH MAY ARISE BY OPERATION OF LAW, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE PERIOD OF THE WRITTEN WARRANTY SET FORTH HEREIN. WILSONART SHALL NOT, UNDER ANY CIRCUMSTANCES OR UNDER ANY LEGAL THEORY, BE LIABLE TO THE PURCHASER OR ANY OTHER PERSON FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION DAMAGES TO, OR LOSS OF USE OF, PROPERTY, DAMAGES FOR LOSS OF PROFITS OR REVENUES OR ANY OTHER DAMAGES ARISING FROM THE PURCHASE. WILSONART'S LIABILITY WILL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE WILSONART® PRODUCT.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

No agent, dealer, employee or representative of Wilsonart nor any installer, fabricator or other person is authorized to modify the warranty in any respect.

The invalidity of all or a part of any of the provisions of the Limited Warranty shall not affect or invalidate any other provision of the Limited Warranty.

For further assistance or questions, contact Wilsonart at the address or telephone number listed above or at www.wilsonart.com.

Maintenance

The decorative surface 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% argyrol
11. Bluing
12. Fabric dye, such as Tintex® or Rit®
13. Alcohol containing 1% iodine in solution

If you require a decorative laminate that can withstand these and other chemicals, please refer to the Tech Data for Wilsonart® Chemsurf® Chemical-Resistant Laminates.

Free copies of the "Care and Maintenance Guide," which covers all Wilsonart products, are available. The guide can be accessed at <http://www.wilsonartlaminates.com> or by calling our hotline at 800-433-3222. It can be used for your own information, for project manuals, and for provision to clients and contractors involved with interior construction and finishing.

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® Laminate,
Produced by Wilsonart LLC,
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® Type 160 TD (TD2200)

Revised: August 2013

Wilsonart LLC