

1. Manufacturer

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

2. Product Description

Wilsonart® SOLICOR™ Compact Laminate is a self-supporting, High Pressure Decorative Laminate panel available in a color-through core in selected designs and finishes. The continuous color core of SOLICOR Compact provides any application with a solid one- piece effect.

Recommended Uses

Compact panels are used for applications such as the following:

- **Healthcare**
Laboratory bench tops, furniture, tables, headboards, hallways, handrails, cubicles, shower areas
- **Interior Commercial Applications**
Reception desks, wall paneling and partitions, contemporary furniture
- **Residential**
Window sills and frames, step risers, kitchen worktops, tables, sideboards
- **Education**
School furniture, lockers, cubicles, laboratory bench tops, partitions and doors
- **Transportation**
Interior fittings, signage

Product Composition

Wilsonart® SOLICOR™ Compact Laminate is a distinctive surfacing material composed of decorative and core papers impregnated with resins and pressed over decorative paper core impregnated with special thermosetting resins to achieve an overall thickness, up to 1” thick. These sheets are then bonded at pressures and temperatures similar to HPL.

Basic Limitations

Wilsonart® SOLICOR™ Compact Laminate is designed for interior applications only and is not recommended for exterior applications. However, no one material is suitable for all possible conditions; its properties should be checked for suitability under the specific conditions of each application.

Finishes

- 60 Matte - A fine matte texture with a slight sheen. (Standard). Surface gloss value: Nominal Glossmeter Reading = 10

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

Patterns & Colors

See all patterns and colors as listed below the Product Type tables.

Product Type	Finish Availability	Imperial Measure (Inches)	Size Availability	Metric Measure (Mm)	Lbs. /Sq.Ft
560	60	½" (0.500)	5'x10' & 5'x12'	12.7mm	3.77

Available designs: 1595 and D427

Product Type	Finish Availability	Imperial Measure (Inches)	Size Availability	Metric Measure (Mm)	Lbs./Sq.Ft
596	60	3/8" (0.375")	4'x8',5'x10',5'x12'	9.52 mm	2.83
597	60	1/2" (0.500")	4'x8',5'x10',5'x12'	12.7 mm	3.77
598	60	3/4" (0.750")	4'x8',5'x10',5'x12'	19.0 mm	5.66
599	60	1" (1.00")	4'x8',5'x10',5'x12'	25.4 mm	7.54

Available designs: D50, 7970, 7967, 8212, 4887, D92, 8203, 4860, 4991, 4886, D30, 8202, 7999, 4990 and 4981.

3. Physical Properties

Test Method	Units	Scale	Available Designs	D427 Linen (Only)
Scratch resistance (EN438)	N	1 to 5 (5 best)	3	3
Boiling Water Immersion (EN438)	Grade (4 min)	1 to 5 (5 best)	4	Gloss 3/Matte 4
Resistance to Water Vapor (EN438)	Grade (4 min)	1 to 5 (5 best)	4	5
Resistance to Cigarette Burn (EN438)	Grade	1 to 5 (5 best)	Not Tested	3
Resistance to Crazing (EN438)	Grade (Surface 4 min) Grade (Core 3 min)	1 to 5 (5 best)	Surface 5 Core 4	Surface 5 Core 3
Modulus of Elasticity (EN ISO 178/ASTM-08)	Mpa	>11000	≥12,000	≥12,000
Flexural Strength (MD) (EN ISO 178/ASTM 790-07)	Mpa	> 114.0	≥180	≥180
Flexural Strength (CD) (EN ISO 178 ASTM 790-08)	Mpa	> 82.7	≥130	≥130
Tensile Strength (MD) (EN ISO 527-2 ASTM 638-08)	Mpa	> 114.0	≥140	≥140
Tensile Strength (CD) (EN 438-225)	Mpa	> 82.7	≥100	≥100
Density (EN ISO 1183/ASTM 792-08)	g/cm ²	≥ 1.40	≥ 1.45	≥1.50
Light Fastness (EN438-2:27)	Blue wool scale	Min of 4 to 5	Not Tested	4 to 5

Test Method	Units	Scale	Available Designs
Lightfastness (ISO 4586)	Rating (min 4)	1 to 5 (5 best)	≥ 4
Resistance to Surface Wear (ISO 4586)	Revolutions	Min Value 400	≥ 400
Resistance to Impact by Large Diameter Ball (ISO 4586)	Thickness Inches (mm)	Visual	(0.500") >78" (>1,980 mm)
Resistance to Staining (ISO 4586)	Rating (max 20)	Varies	≤20
Stains 1-10 (ISO 4586)	Rating (min 5)	1 to 5 (5 best)	5
Stains 11-15 (ISO 4586)	Rating (min 3)	1 to 5 (5 best)	≥ 3
Resistance to Radiant Heat (ISO 486)	Seconds	Visual	Not Tested
Resistance to Wet Heat (ISO 4586)	Rating (min 5)	1 to 5 (5 best)	5
Resistance to Dry Heat (ISO 4586)	Rating (min 4)	1 to 5 (5 best)	≥ 4
Dimensional Change MD (ISO 4586)	% MD Max	% Change	(0.500") ≤ 0.3
Dimensional Change CD (ISO 4586)	% CD Max	% Change	(0.500") ≤ 0.7
Fire Properties ASTM E-84	NA	NA	1595 - Class B/2 All other patterns Class A/1
Flatness ISO 4586 -2 (10)	On products >3/8" (9.52mm)	5.0mm / m	5.0mm / m

Branded Cleaner and Sanitizer Resistance for Wilsonart® SOLICOR™ Compact Laminate

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

1. Clorox Healthcare Bleach Germicidal Cleaner *
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB
4. Oxivir 1
5. Virex II 256
6. Benefect
7. PDI Super Sani-Cloth Germicidal Disposable Wipes
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256
10. Stride Floral Neutral Cleaner *
11. PURELL Advanced Instant Hand Sanitizer *

Test procedure: Listed materials were placed in contact with Wilsonart® SOLICOR™ Compact Laminate 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.

12. Handling, Storage, and Conditioning

When handling Wilsonart® SOLICOR™ Compact Laminate, it is recommended to lift the panels individually to avoid scratching. It is recommended to prevent the decorative surfaces from sliding against one another. It is acceptable to use a gripping system, such as a suction pad.

Use flat and rigid pallets that are at least the same sizes as the panels to avoid sliding and unstable positioning. The maximum spacing between supporting boards is 24" (609.6mm). Store the panels in closed premises, safe from humidity and heat (50 to 86°F (10 to 30 °C) and 40 to 60% RH). In the case of horizontal storage on pallets, put a protective paper of an adequate size between the pallet and the panels and on the top panel. It is advisable

to keep the panels wrapped inside their original packaging (plastic lining). Flat storage of the panels prevents deformations from occurring. Do not store filmed panels for longer than six months.

Prior to installation, it is recommended to store the Wilsonart® SOLICOR™ Compact panels for approximately 3 days in the premises with the following environmental conditions.

- Temperature from 64 to 77°F (18 to 25°C)
- Relative humidity from 40 to 60%

When installing the Wilsonart® SOLICOR™ Compact panels, remove the protection films, (if present) from both sides simultaneously. For optimal results, we recommend that identical ventilation is assured on both sides.

NOTE: Before any fabrication and installation, always make sure that the two sides of the SOLICOR Compact panel are clean and that no abrasive particles are present.

13. [Warranty](#)

14. [Care and Maintenance](#)

15. [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™ Compact, produced by Wilsonart, Temple, Texas 76503-6110	
Surface	
Color Number: _____	Color Name: _____
Finish	
Number: _____	Name: _____
Edge Trim	
Color Number: _____	Color Name: _____
Adhesive	
Name: _____	Grade/Type: _____
Brand: Wilsonart® Adhesive	

Wilsonart® SOLICOR™ Compact Laminate Technical Data
Revised: January 6, 2020
© 1998-2020, Wilsonart LLC