

1. Manufacturer

Wilsonart LLC
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2. Product Description

Recommended Uses

Wilsonart® Solid Surface is recommended for interior application use and has a wide range of vertical and horizontal applications. Common design elements are decorative wall panels, shower surrounds, countertops, vanities, retail countertops, healthcare countertops, and window sills.

Product Composition

Wilsonart® Solid Surface is manufactured with acrylic resins, fire-retardant fillers and proprietary coloring agents that are homogeneous, with uniform color throughout their thickness.

Patterns & Colors

Color and pattern are uniform for the entire material thickness and sheets are color matched to adjacent solid surface sheets within the same lot reference.

Wilsonart Product Type	Colors/Patterns
051	70+
025	D354SL and 1573SL

**Please contact your Wilsonart® Solid Surface distributor for additional availability of special order patterns in Product Type 025. Minimum order quantities will apply for special orders, and require eight to ten weeks for delivery.*

Finishes

Final finish (sheen) for surfaces ranges from matte to high gloss. Surfaces with gloss and semi-gloss finishes require more maintenance than matte or satin finishes. Darker colors will require special attention.

Standard Sheet Sizes

Wilsonart Product Type	Thickness	Width	Length
051	1/2 inches or 0.490 inches (1.25 cm) ± 0.025 inches (0.06 cm)	30 inches (76.2 cm)	144 inches (365.8 cm)
025	0.240 inches (0.61 cm) ± 0.015 inches (0.38 cm)	30 inches (76.2 cm)	120 inches (304.8 cm)

NOTE: Sheets may be approximately one-quarter inch (6mm) longer and wider than above measurement.

Special Orders

Wilsonart® Solid Surface is available in other sizes. Minimum order quantities apply and require eight to ten weeks for delivery. Please contact your local Wilsonart Representative for complete order requirements.

3. Technical Data

051 Solid Surface

Properties	Typical Results	Test
Tensile Strength	6800 psi*	ASTM D 638
Tensile Modulus	1.5 x10 ⁶ psi	ASTM D 638
Tensile Elongation	0.4% min.	ASTM D 638
Flexural Strength	10,400 psi*	ASTM D 790
Flexural Modulus	1.73 x10 ⁶ psi	ASTM D 790
Thermal Expansion Coefficient	1.37 x10 ⁻⁵ in./in./°F	ASTM D 696
Hardness (Barcol Impressor)	60	ASTM D 2583
Impact Resistance	144 in. drop ^A	ISO 4586
Izod Impact	0.28 (ft-lb.)/in	ASTM D 256 Method A
Light Resistance - Xenon	No effect	ISO 4586
Stain Resistance	Pass	ANSI Z-124.3 modified
Wear and Cleanability	Pass	ANSI Z-124.3
Fungi Resistance	Pass	ASTM G 21
Bacterial Resistance	Pass	ASTM G 22
Boiling Water Resistance	No effect	ISO 4586
High Temperature Resistance	No effect ^B	ISO 4586
Weatherability	ΔE<5	ASTM G 155
Moisture Absorption	<0.25%	ASTM D 570 Long Term
Specific Gravity	1.7 gram/cm ³	ASTM D 792
Approximate Weight	4.4 lb./ ft ²	
Fire Behavior	Class 1 and Class A	ASTM E 84

* Test results vary slightly depending on pattern.

^A No fracture

^B High temperature resistance tests may have an effect on the surface; however, the surface can be renewed to 'No Effect'.

025 Solid Surface

Properties	Typical Results	Test
Thermal Expansion Coefficient	1.50 x10 ⁻⁵ in./in./°F	ASTM D 696 696696696
Hardness (Barcol Impressor)	62	ASTM D 2583
Impact Resistance	78 in. drop ^A	ISO 4586
Izod Impact	0.24 (ft-lb.)/in	ASTM D 256 Method A
Light Resistance – Xenon	No effect	ISO 4586
Stain Resistance	Pass	ANSI Z-124.3 modified
Wear and Cleanability	Pass	ANSI Z-124.3
Fungi Resistance	Pass	ASTM G 21
Bacterial Resistance	Pass	ASTM G 22
Boiling Water Resistance	No effect	ISO 4586
High Temperature Resistance	No effect ^B	ISO 4586
Weatherability	ΔE<5	ASTM G 155
Moisture Absorption	<0.25%	ASTM D 570 Long Term
Specific Gravity	1.78 gram/cm ³	ASTM D 792
Approximate Weight	2.2 lb./ ft ²	
Fire Behavior	Class II and Class B	ASTM E 84

* Test results vary slightly depending on pattern.

^A No fracture

^B High temperature resistance tests may have an effect on the surface; however, the surface can be renewed to 'No Effect'.

The information contained in this section is based on technical data which Wilsonart LLC believes to be reliable, and is intended for use by persons having knowledge of this technical area at their own discretion.

Physical Properties of Solid Surface

Wilsonart® Solid Surface is highly resistant to impact fracturing and elevated temperatures. The material has very low moisture absorption, does not support fungal or bacterial growth, and is stain resistant. Refer to [Wilsonart Guide Specifications](#) for a complete list of physical properties and test results.

Typical Flame Spread and Smoke Developed Properties

Wilsonart® Solid Surface ½-inch is Class I and Class A rated. Wilsonart® Solid Surface ¼-inch is Class II and Class B rated. Ratings are achieved using ASTM E 84 test procedures.

Codes and Certifications

Wilsonart® Solid Surface has achieved the following:

- FDA Compliance for food contact
- New York City Material Equipment Acceptance numbers 181-96-M
- NSF 51 Food Zone and FDA food contact compliant.
- UL GREENGUARD® Gold Certified for low chemical emissions.
- LEED® 2009 potential credits can be obtained in the Commercial Interiors category for the following:
 - IEQ 4.1 Low-Emitting Materials
- Wilsonart® Hard Surface Adhesive is UL GREENGUARD Gold Certified for low chemical emissions and SCAQMD Rule 1168 compliant for VOC content. Wilsonart® Color Matched Caulk meets the SCAQMD standard.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Solid Surface

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

<i>Cleaner or Sanitizer</i>	Effect Removed with Water	Effect Removed with Water and Scotch-Brite®	Effect Removed with Finishing & Sanding Process
Clorox Healthcare Bleach Germicidal Cleaner**		X	
Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes*		X	
Oxivir TB**			X
Oxivir 1**			X
Virex II 256	X		
Benefect**			X
PDI Super Sani-Cloth Germicidal Disposable Wipes		X	
PDI Sani-Prime Germicidal Spray			X
Expose II 256*		X	
Stride Floral Neutral Cleaner*	X		
PURELL Advanced Instant Hand Sanitizer*		X	

Test procedure: Listed materials were placed in contact with Wilsonart® Solid 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.

The effect of some reagents, cleaners, and/or sanitizers may require further refinishing efforts in order to be removed. The refinishing effort required will depend on the concentration, temperature, and length/frequency of exposure.

Finishing guidelines can be located in the Wilsonart Solid Surface Fabrication and Installation manual and are recommended to be conducted by a certified fabricator.

4. Installation: Fabrication and Assembly Recommendations

Refer to [Wilsonart® Solid Surface Fabrication Manual](#) and [Wilsonart Fabrication Drawings](#) for detailed information.

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® Solid Surface, produced by Wilsonart LLC, Temple, Texas 76503-6110	
Type:	
Surface	
Color Number: _____	Color Name: _____
Finish	
Number: _____	Name: _____
Adhesive	
Name: _____	Grade/Type: _____
Brand: Wilsonart® Adhesive	

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