

TECH DATA

Wilsonart® Solid Surface

Wilsonart® Gibraltar® Solid Surface

1. Manufacturer

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2. Product Descriptions

Recommended Uses:

Wilsonart® Gibraltar® Solid Surface sheets are recommended for interior decorative and functional applications where prestigious appearance, high stain resistance, ease of maintenance and extensive customizing capabilities are desired.

Recommended horizontal applications include tops for counters, tables, vanities and bars. Gibraltar solid surface may be customized to expand function through the addition of grooves and recesses to permit draining and to allow for storage of items such as soap bars or frequently used tools. Panels may also be used to create windowsills and store fixtures, as well as fine custom furniture. Vertical applications may include paneling for walls, elevators, tub and shower surrounds, counter facades, partitions for toilets and dressing rooms, and interior signage.

Solid surface is water-resistant and features inconspicuous seams; surfaces are renewable and repairable. It can be coordinated with a variety of sinks, including self-rimming and Wilsonart undermount solid surface sinks.

Gibraltar is available in Class 1 (A) fire-rated sheets which further enhances its usefulness in high-end contract, commercial and institutional applications. See Section 3 for details.

Because of its chemical makeup, Wilsonart Solid Surface is appropriate for many hospital surfaces. Panels may be bonded to each other with watertight seals.

Wilsonart Solid Surface is only available to fabricators who have received proper training and are designated by Wilsonart or its distributors as "Certified Wilsonart Fabricators." Interested fabricators should contact their local Wilsonart Solid Surface distributor for training requirements.

Architects, designers, builders and remodelers may locate certified fabricators through distributors of Wilsonart Solid Surface products.

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Product Composition:

Gibraltar is manufactured with acrylic resins, fire-retardant fillers and proprietary coloring agents. Wilsonart Solid Surface products, including kitchen and bar sinks and lavatory bowls, all are homogeneous, with uniform color throughout their thickness.

Basic Limitations:

Gibraltar is designed for interior and certain exterior use. When specifying Gibraltar for exterior applications, the design, fabrication and installation procedures must be considered as extreme exposures and concurrent temperature contrasts could result in seam failure or surface cracks. Gibraltar is not recommended for building facade and fascia applications.

Fabrication:

Gibraltar panels do not require bonding to substrates, and should not be bonded to solid wood, plaster, concrete or other brands of solid surfaces. They do, however, require a supporting material or framework.

Please see Wilsonart Solid Surface Fabrication Manual for details.

Finishes And Colors:

Solid surface is supplied with a sanded matte surface. Final finish should be supplied by the fabricator and may range from matte to high gloss, depending on the customer's specification. Surfaces with gloss and semi-gloss finishes may require more maintenance than matte or satin finishes. Darker colors also may require more maintenance.

Tempest and Mirage patterns, 60" wide only, can be ordered with a matte finish for both sides (Product Type 052).

The colors are produced to coordinate with solid color Wilsonart Laminate with the same names and numbers.

Color Availability

Designer White*	D354-SL	Hunter Green Mirage	D79-MG
Frosty White*	1573-SL	Khaki Brown Tempest	D50-TM
Antique White*	1572-SL	Beige Tempest	1530-TM
Natural Almond*	D30-SL	Platinum Tempest	D315-
Burnt Amber Mirage	9040-MG	TM	
Seacrest Mirage	9081-MG	Arctic Melange	9070-ML
Grey Mirage	1500-MG	Calypso Melange	9073-
Light Beige Mirage	1531-	ML	
MG		Alpine Melange	9071-ML
Taupe Mirage	D368-MG	Arabian Melange	9032-
Pawnee Mirage	D396-MG	ML	
Fawn Mirage	D309-MG	Aspen Melange	9072-ML
Atlantis Mirage	9022-MG	Mojave Melange	9031-ML
Frosty White Mirage	1573-MG	Caramel Melange	9033-
Alabaster Mirage	D431-MG	ML	
Raven Mirage	D426-MG	Baja Melange	9030-ML
Graphite Mirage	9021-MG	Adirondack Melange	9012-ML
		Copper Melange	9060-
		ML	
		French Blue Melange	9024-

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	ML Everglade Melange	9083-
	ML Quarry Melange	9041-
	ML Eureka Melange	9090-ML
	Cascades Melange	9082-ML
	Acadia Melange	9023-ML
	Midnight Melange	9091-
	ML	

*Kitchen sinks and vanity bowls available to match.

Standard Sheet Dimensions

	Gibraltar Sizes
Panel Widths:	30", 60" * (76.2cm, 152.4cm)
Panel Lengths:	144" (365.8cm)
Thickness:	Product Type 051 0.490" ± 0.025"
Thickness:	Product Type 052 (Double Sanded)** 0.450" ± 0.020"
Strips Width:	Product Type 051 1 3/4", 5 3/4" (4.4cm, 14.6cm)
Strips Length:	144" (365.8cm)

*60" Wide Sheets Available in Tempest/Mirage and Melange patterns

**Product Type 052 Available in Tempest and Mirage patterns

NOTE: Sheets are approximately one-quarter inch (6mm) longer and wider than above measurement. Minimum order quantities may apply to certain sizes and thicknesses. Please contact your Solid Surface distributor for current information.

Wilsonart Solid Surface sinks and lavatories are produced in colors that coordinate with Gibraltar colors with the same names and numbers. Minimum order quantities may apply. New shapes, sizes and colors are constantly being added. Please check with your local distributor of Wilsonart Solid Surface for availability.

Custom Sizes:

Gibraltar Solid Surface is available in custom sizes, allowing for cost efficiencies and design flexibility. See chart below for minimum order quantity.

Minimum Quantities for Custom Size Order

	Gibraltar
Solid Colors	1,045 sq. ft.
Granites	1,155 sq. ft.

Please contact distributor for custom size orders and allow six to eight weeks for delivery.

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3. Technical Data

Typical Physical Properties of Wilsonart Gibraltar

Tests	Gibraltar Results
Stain Resistance ANSI Z-124.3 modified	Pass
Boiling Water Resistance NEMA LD3-2000 Method 3.05	See Below ^A
High Temperature Resistance NEMA LD3-2000 Method 3.06	See Below ^A
Radiant Heat Resistance NEMA LD3-2000 Method 3.10	No effect
Impact Resistance NEMA LD3-2000 Method 3.08 (1/2 lb. Ball)	125 in. drop ^B
Light Resistance NEMA LD3-2000 Method 3.03	No effect
Moisture Absorption ISO 4586-2 Method 7	≤ 0.4 %
Izod Impact (notched) ASTM D 256	0.3 (ft.-lb.)/in
Tensile Toughness ASTM D 638	≥ 17 (in.-lb.)/(cu.-in.)
Tensile Modulus ASTM D 638	1.2 x10 ⁶ psi
Flexural Toughness ASTM D 790	≥ 3 (in.-lb.)/(cu.-in.)
Flexural Modulus ASTM D 790	1.1 x10 ⁶ psi
Thermal Expansion Coefficient ASTM D 696	1.8 x10 ⁻⁵ in./in./°F
Hardness ASTM D 2583 (Barcol)	57
Deflection Temperature Under Load ASTM D 648	90°C
Density ASTM D 792	1.60 gram/cm ³
Approximate Weight	4.2 lb./ ft ²
Fire Behavior ASTM E 84	Class I or A
Pittsburgh Protocol Toxicity LC50 Test	Pass
Weatherability ASTM D 2565	Pass ^C
ASTM D 1499	Pass ^C
Fungal Resistance ASTM G 21	Pass
Bacterial Resistance ASTM G 22	Pass

^A Boiling water and high temperature resistance tests may have an effect on the surface; however, the surface can be renewed to 'No Effect'.

^B Tested without bonding to substrate.

^C Method of grading is ASTM D2244-89. Acceptability for passing is Delta E ≤ 2 units.

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

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Fire Test Data -- Wilsonart Gibraltar (0.500")

Wilsonart Gibraltar Solid Surface is classified by Underwriters Laboratories under UL File Number R14436 for surface burning characteristics. Test data for Gibraltar Solid Surface panels are generated according to ASTM E 84: Standard Test Method for Surface Burning Characteristics of Building Materials. This procedure is catalogued by Underwriters Laboratories, Inc. as UL 723. For Gibraltar panels with a thickness of one-half inch (13 mm), the Flame Spread Index is less than or equal to 25 and the Smoke Developed Index is less than or equal to 25.

Codes And Certifications – Wilsonart Gibraltar (0.500")

- Approved by NSF International Standard 51 for “Food Zone” areas
- FDA Compliance for food contact
- New York City Material Equipment Acceptance numbers 181-96-M

4. Maintenance

Solid surfaces may be cleaned with warm water and mild soaps, such as those used for hands or dishes. Non-abrasive household cleaners such as Fantastik® and Formula 409® may also be used. Cleaning products containing bleaching agents should not be used on solid surface. Large quantities of these agents and extended periods of exposure may cause discoloration. Abrasive cleaners (such as Comet®, Soft Scrub®, Bon Ami®, etc.) should not be used on solid surface except for removing tough stains, minor scratches and burns.

If a stain develops on the surface, wipe it away with soap and water or glass cleaner. If a stain doesn't respond to soap and water, and your surface has a matte finish, apply an abrasive cleanser and buff with a Scotch-Brite® pad using a circular motion. The same technique can be used for cigarette burns, minor cuts and scratches. For a gloss finish, you should contact dealer or fabricator before attempting repairs. (See Wilsonart Gibraltar Sink Tech Data, Section 3 for sink maintenance information.)

Do not expose the surface to harsh chemicals, such as paint remover, turpentine, nail polish remover (acetone) or stove and drain cleansers. If these chemicals come in contact with the surface, immediately wash them off with water, using appropriate safety measures to avoid injury.

Always use a cutting board instead of cutting directly on the surface. While minor cuts and scratches can be repaired, care should be taken to prevent them in order to keep the surface looking good as new.

Hot pans and heat-producing appliances (frying pans, baking pans, electric skillets, crock-pots, coffee pots, etc.) must be placed on a trivet with legs. A free Gibraltar trivet is included in care and maintenance kit provided by fabricator with purchase of Gibraltar solid surface countertop.

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Our “Care and Maintenance” video/DVD showing complete care instructions for Gibraltar is available to order, and free copies of the Gibraltar Care and Maintenance/Warranty Card are available by calling Wilsonart at the number listed in Section 5.

Notes: Fantastik® is a product of S. C. Johnson Co.
Formula 409® is a product of The Clorox Co.
Comet® is a product of Procter and Gamble Co.
Soft Scrub® is a product of The Clorox Co.
Scotch-Brite® is a product of 3M Co.
Bon Ami® is a product of Faultless Starch/BonAmi Co.

5. Customer 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.

6. Specification Form:

Type: See specific types under Product Description

Surface

Color/Design Number: _____

Color/Design Name: _____

Finish:

Sink Type: (specify desired texture of completed application)

Decorative

Functional

Color/Design Name/Model Number:

Treatments:

Adhesive: Wilsonart Seam Kit Adhesive, color-matched to panels to be seamed.

Caulk/Sealant: Wilsonart Color-Matched Silicone Sealant

Fastening System:

Certification:

Surface shall be UL listed Class I (A)

Material shall equal or exceed performance standards described in “Wilsonart Solid Surfaces Tech Data.”

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