

TECH DATA

Wilsonart® Gibraltar® Solid Surface



1. Manufacturer

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2. Product Descriptions

Product Composition:

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

Basic Limitations:

Gibraltar is designed for interior use only.

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. Select Gibraltar patterns can be ordered with both sides sanded (Product Type 052) for vertical applications, please contact your local Wilsonart representative or Certified Wilsonart Solid Surface Fabricator for details.

Finishes:

Final finish is 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 require more maintenance than matte or satin finishes. Darker colors also may require more attention.

Sheet Dimensions

	Gibraltar Standard Sizes
Standard Panel Width:	30" (76.2cm)
Wide Panel Width:	60" (152.4cm)
Panel Lengths:	144" (365.8cm)
Thickness:	Product Type 051 = 0.490" (1.25cm) ± 0.025"(0.06cm)
Thickness:	Product Type 052 (Double Sanded)* = 0.450"(1.14cm) ± 0.020"(0.05cm)

*Product Type 052 Available in select Tempest and Mirage patterns

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

TECH DATA

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Inventoried Product:

D30 SL	Natural Almond	9072ML	Aspen Melange
D50 TM	Khaki Brown Tempest	9073ML	Calypso Melange
D309 MG	Fawn Mirage	9077ST	Milk Glass Spectra
D315 TM	Platinum Tempest	9079CR	Pisa Creta
D354 SL	Designer White	9081MG	Seacrest Mirage
D426 MG	Raven Mirage	9082ML	Cascades Melange
D431 MG	Alabaster Mirage	9085MG	Juniper Mirage
1530TM	Beige Tempest	9087MG	Garden Mirage
1531MG	Light Beige Mirage	9090ML	Eureka Melange
1572SL	Antique White	9091ML	Midnight Melange
1573MG	Frosty White Mirage	9092MG	Black Onyx Mirage
1573SL	Frosty White	9094CR	Murano Creta
9013SP	Amaryllis Solid - Premium	9096RS	Moon Riverstone
9021MG	Graphite Mirage	9097RS	Whitewater Riverstone
9022MG	Atlantis Mirage	9098ST	Stardust Spectra
9023ML	Acadia Melange	9130MG	Marzipan Mirage
9024ML	French Blue Melange	9131CR	Venetian Creta
9026CY	Crystal Blue	9132CR	Fresco Creta
9030ML	Baja Melange	9135MG	Cashmere Mirage
9031ML	Mojave Melange	9136RS	Dry Creek Riverstone
9032ML	Arabian Melange	9137RS	Blanco Riverstone
9033ML	Caramel Melange	9138RS	San Gabriel Riverstone
9040MG	Burnt Amber Mirage	9139MG	White Sands Mirage
9041ML	Quarry Melange	9144SN	Sonata Chocolate
9043RS	Bluff Riverstone	9145CY	Crystal Champagne
9045RS	Woodland Riverstone	9170ST	Astral Spectra
9047ML	Chicory Cream Melange	9171MG	Snowy Mirage
9053SN	Sonata Spruce	9172ST	Candy Spectra
9054CY	Crystal Mint	9173ST	Sea Salt Spectra
9060ML	Copper Melange	9191SN	Sonata Espresso
9070ML	Arctic Melange		

TECH DATA

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Custom Sizes:

Gibraltar Solid Surface is available in custom sizes up to 60" wide and 144" long, allowing for cost efficiencies and design flexibility. Minimum order quantities apply and allow six to eight weeks for delivery. Please contact your local Wilsonart representative for complete custom size order requirements.

Colors Available in Custom Size

D30 SL	Natural Almond	9033ML	Caramel Melange
D50 TM	Khaki Brown Tempest	9040MG	Burnt Amber Mirage
D309 MG	Fawn Mirage	9041ML	Quarry Melange
D315 TM	Platinum Tempest	9043RS	Bluff Riverstone
D354 SL	Designer White	9045RS	Woodland Riverstone
D426 MG	Raven Mirage	9060ML	Copper Melange
D431 MG	Alabaster Mirage	9070ML	Arctic Melange
1530TM	Beige Tempest	9072ML	Aspen Melange
1531MG	Light Beige Mirage	9073ML	Calypso Melange
1572SL	Antique White	9081MG	Seacrest Mirage
1573MG	Frosty White Mirage	9082ML	Cascades Melange
1573SL	Frosty White	9090ML	Eureka Melange
9021MG	Graphite Mirage	9091ML	Midnight Melange
9022MG	Atlantis Mirage	9096RS	Moon Riverstone
9023ML	Acadia Melange	9097RS	Whitewater Riverstone
9024ML	French Blue Melange	9137RS	Blanco Riverstone
9030ML	Baja Melange	9138RS	San Gabriel Riverstone
9031ML	Mojave Melange	9171MG	Snowy Mirage
9032ML	Arabian Melange		

TECH DATA

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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) ASTM D 2583 (Barcol Impressor)	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 refer to an average value.

TECH DATA

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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
- ASTM G-22 bacterial resistance
- ASTM G-21 fungal resistance

4. 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.