

VICOSTONE TECHNICAL SPECIFICATIONS

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SPECIFICATIONS	TEST METHOD	RESULT
Water Absorption (% by weight)	ASTM C97/C97M-09:2009	≤ 0.05%
	EN 14617-1:2013	≤ 0.06%
Apparent Density	ASTM C97/C97M-09:2009	2.2 – 2.4 gr/cm ³
	EN 14617-1:2013	
Flexural Strength	ASTM C880/C880M-09:2009	> 40 MPa
	EN 14617-2:2008	
Dimension Stability	EN 14617-12:2012	Class A
Electrical Stability	EN 14617-13:2013	Volume resistance (R_v) = $0.9 \times 10^{14}\Omega$ Volume resistance (ρ_v) = $4.88 \times 10^{14}\Omega\text{m}$
Impact Resistance	ASTM D1709:2015	≥ 3.0 J
	EN 14617-9:2005	
Compressive Strength	ASTM C170/C170M-09:2009	≥ 155 MPa
	EN 14617-15:2005	
Mohs Scale of Hardness	EN101	6.0 – 7.0
Resistance to Deep Abrasion	ASTM C1243:2009	Volume of chord: $V \leq 195\text{mm}^3$
	EN 14617-4:2012	
Freeze-Thaw Resistance	ASTM C1026:2013	No defects after 15 freeze-thaw cycles
	EN 14617-5:2012	No defects after 25 freeze-thaw cycles
Slip Resistance at Honed 400	DIN 51130:2004	R9 – R10
Microbial Resistance	ASTM D 6329:2015	Ranking 3: Resistant to Mold Growth
Chemical Resistance to Acids	EN 14617-10:2012	Class C ₄
Thermal Shock Resistance	EN 14617-6:2012	No visual defects after 20 cycles
Determination of Resistance to Immersion in Boiling Water	AS 2924.2-7: 1998 (EQUI. TO ISO 4586.2-7: 1997)	Effect on surface (rating):5 (no visible change)
Determination of Resistance to Dry Heat	AS 2924.2-8: 1998 (EQUI. TO ISO 4586.2-8: 1997)	Effect on surface (rating):5 (no visible change)
Determination of Resistance to Staining (Procedure A)	AS 2924.2-15: 1998 (EQUI. TO ISO 4586.2-15: 1997)	Effect on surface (rating):5 (no visible change)

» MATERIALS COMPARISON

MATERIALS	QUARTZ SURFACE	GRANITE	LAMINATE	SOLID SURFACE
Scratch resistance	😊	😊	😊	😊
Stain resistance	😊	😊	😊	😊
Chip and Crack Resistance	😊	😊	😊	😊
Heat and Burn Resistance	😊	😊	😊	😊
Resistance to Household Chemicals Acids and Solvents	😊	😊	😊	😊
Low Maintenance	😊	😊	😊	😐
Non-absorbency and Non-porosity	😊	😊	😊	😊
Mold and Mildew Resistance	😊	😊	😊	😊
Flexural Strength	😊	😐	😊	😊
Color Consistency	😊	😐	😊	😊
Immunity to Freeze and Thaw	😊	😊	😐	😐

KEY



Excellent

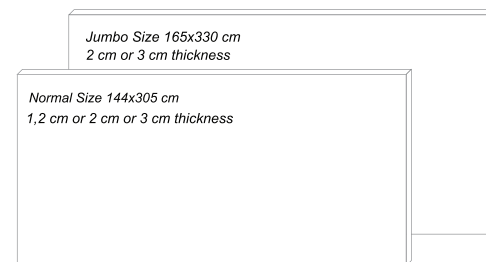


Good



Fair

» STANDARD SLAB SIZES



* Cut-to-size items are available on request