

SPECIFICATIONS	TEST METHOD	RESULTS
Water Absorption	ASTM C97/C97M-18	$\leq 0.02 \%$
	BS EN 14617-1:2005	$\leq 0.02 \%$
Apparent Density	ASTM C97/C97M-18	2.1-2.3 g/cm ³
	BS EN 14617-1:2005	2.1-2.3 g/cm ³
Flexural Strength	ASTM C880/C880M-18	Fine & medium grain: ≥ 55 MPa Coarse grain: ≥ 41 MPa
	BS EN 14617-2:2016	Fine & medium grain: ≥ 60 MPa Coarse grain: ≥ 40 MPa
Compressive Strength	ASTM C170/C170M-17	Dry: ≥ 200 MPa
	BS EN 14617-15:2005	Dry: ≥ 185 MPa
Chemical Resistance	ASTM C650-04:2014	Unaffected
	BS EN 14617-10:2012	Class C4
Dimensional Stability	EN 14617-12:2012	Class A
Impact Resistance	ASTM C1870-18	36-in. ball drop: ≤ 0.25 in. 48-in. ball drop: ≤ 0.27 in.
	BS EN 14617-9:2005	> 4 J
Abrasion Resistance	ASTM C501-84:2015	Abrasive Wear Index: $I_w \geq 179$
	BS EN 14617-4:2012	Volume of chord: $V \leq 165$ mm ³ Chord length: $l \leq 27$ mm
Thermal Shock Resistance	ASTM C484-99:2014	No visible damage after 10 cycles
	EN14617-6:2012	No visible defects after 20 cycles Change in mass: $\leq 0.05 \%$ Change in flexural strength: -8.4% ÷ 5.4%
Freeze-Thaw Resistance	ASTM C1026-13:2018	No visible damage after 300 cycles Weight loss: $\leq 0.09 \%$
	EN 14617-5:2012	No obvious damage after 20 cycles $KM_{f25} = 93 \div 105 \%$
Mohs Hardness Scale	EN 101:1991	≥ 6
Slip Resistance	ASTM C1028-07	Static coefficient of friction Dry: $0.7 \div 0.8$ (polished/honed) Wet: $0.5 \div 0.7$ (polished/honed)
	DIN 51130:2014	R9 (honed 400)
Microbial Resistance	ASTM D6329-98	Ranking 3: Resistant to Mold Growth
Stain Resistance	ASTM C1378-04:2014	Class A (polished)
Surface Burning	ASTM E84	Class A

MATERIALS COMPARISON	QUARTZ	GRANITE	LAMINATE	SOLID SURFACE
Scratch Resistance	★ ★ ★	★ ★ ★	★ ★	★
Stain Resistance	★ ★ ★	★ ★	★ ★	★ ★ ★
Chip & Crack Resistance	★ ★ ★	★ ★	★ ★	★ ★ ★
Heat & Burn Resistance	★ ★	★ ★	★ ★	★ ★
Resistance to Household Chemicals, Acids, & Solvents	★ ★ ★	★ ★	★ ★	★ ★ ★
Low Maintenance	★ ★ ★	★ ★	★ ★	★
Nonabsorbent & Nonporous	★ ★ ★	★ ★	★ ★	★ ★ ★
Mold & Mildew Resistance	★ ★ ★	★ ★	★ ★	★ ★
Flexural Strength	★ ★ ★	★	★ ★	★ ★
Color Consistency	★ ★ ★	★	★ ★ ★	★ ★ ★
Freeze-Thaw Resistance	★ ★ ★	★ ★ ★	★	★

SLAB SIZES

Jumbo Size 130 x 65 in. (330 x 165 cm)
2 cm or 3 cm thickness

Standard Size 119 x 56 in. (303 x 143 cm)
1.2 cm, 2 cm or 3 cm thickness

THICKNESS	LBS/SQ. FT.	KG/SQ. M.
1.2 cm	6.14 lbs/ft ²	30 kg/m ²
2 cm	10.24 lbs/ft ²	50 kg/m ²
3 cm	15.36 lbs/ft ²	75 kg/m ²

15 LIMITED
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Microbial Resistance
ASTM D 6329-98



Declare.



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