

TECHNICAL SPECIFICATIONS - QUARTZ

Test Performed	Test Standard	Results
App. Density Kg/dm ³	EN14617-1	2.2 - 2.45
Water Absorption %	EN14617-1	<0.04
Flexural Strength (Mpa)	EN14617-2	50-60
Dimensional Stability	EN14617-12	Class A
Impact Resistance (joule)	EN14617-9	4 - 9 Joule
Compressive Strength (Mpa)	EN14617-15	170 - 220
Abrasion resistance	EN14617-4	Groove length=21.1mm
Frost Resistance	DIN 52104	Complies with standard
Surface Hardness (Mohs Scale)	EN101	6.0-7.0
Stain Resistance	ANSI Z124.6	Pass
Wear & Cleanability	ANSI Z124.6	Pass
Chemical Resistance	ANSI Z124.6	Pass
Chemical Resistance	EN 14617-10	Class C4
Resistance To Acids	ASTM C 650	Not Affected.
Linear Thermal Expansion (30°-60°) °C ⁻¹	EN14617-11	2.6 X 10 ⁻⁷
Boiling Water Resistance	NEMA LD3-3.5	Pass
High Temperature resistance	NEMA LD3-3.6	Pass
Cigarette Test	ANSI Z124.6	Pass
Fire Classification	EN13501-1	Wall Cladding: B-S1-d0 , Flooring & Stairs: B-fl-S1
Slip resistance	EN 14231	Wet: 13-21 SRV, Dry: 43-53 SRV
Radiation	GB 6566-2010	Complies with requirement of standards
Thermal Shock Resistance	EN14617-6	No Visual defects after 10 cycle. Loss in mass = 0.02%-0.05%. Loss in flexural strength = 0.7%-1.1%.
Freeze & Thaw Resistance	EN 14617-5	No defects after 25 freeze-thaw cycles.
Glossiness Reflection	%	55-70
Surface slip resistance HONED 400	DIN 51130	R9
Static Coefficient of friction	ASTM C 1028	Dry: 0.8 , Wet: 0.6

Quartz Slab Size: 315 x 145 cm and *325 x 165 cm

* For certain colours only.