

SLAB TECHNICAL SPECIFICATIONS CHART

Test Performed	Test Standard	Test Result
Water/ Moisture Absorption	ASTM C97	<0.03%
	EN- 14617 – 1	<0.03%
Bulk Mass Density	ASTM C97	2.15- 2.46 G/CM3 OR 2150- 2460 Kg/m3
	EN- 14617 - 1	215- 2.46 g/cm3
Flexural Strength (Dry)	ASTM C880	>5810 psi (40 MPa)
Flexural Strength (Wet)		>5520 psi (38 MPa)
Flexural Strength	EN- 14617 – 2	31 – 80 N/mm2
Compressive Strength (Dry)	ASTM C170	>28430 psi (196 MPa)
Compressive Strength (Wet)		>27560 psi (190 MPa)
Impact Resistance	EN- 14617- 9	3.4 – 14.5 Joules
Thermal Expansion	EN-14617 – 11	16*10-6 – 20.8*10-6
	ASTM C372	300C – 1000C : 2.8* 10-5 – 4.9* 10-5
Abrasion Strength	ASTM C241	>61.2
	EN 14617 – 4	21.2 – 26.5 mm
Freeze- Thaw Durability	ASTM C241	0.999
Thermal Shock	ASTM C484	Passes – 5 cycles
Mohs Hardness Rating	EN – 101	6.5 – 7.5
Traction Strength	ASTM C 1028 – 07	Coefficient of friction > 0.5*

Stain Resistance	ASTM C 1378 – 04	Not Affected: Pass
Surface Burning	ASTM E- 84	Class A
Chemical Resistance	EN- 14617- 10	Class c4
Static Coefficient of Friction	ASTM C1028- 07	Dry Average- 0.74*
		Wet Average- 0.5*
Flame Spread	ASTM E- 84	FSI<10 for 3 cm and <15 form 2 cm: Class A
Abrasion Resistance and Maintainability	ASTM Z124 6.5.3	Pass
Cigarette Burn Test	ASTM Z124 6.5.4	Pass
Bond Strength	ASTM C482	240 psi (1.65 MPa)
Modulus of Rupture	ASTM C99	6315 psi (43.54 MPa)

Please note that the provided values pertain to countertops with a polished finish. These results are approximate and represent averages for various Sharifstone products with a thickness of 20mm. It's important to recognize that test outcomes can differ based on factors such as thickness variations, color variations, the inclusion of special additives, and variations between product batches. Additionally, the grain size of the quartz can influence these test results.