



TECHNICAL SPECIFICATIONS



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Material: Quartz
Thickness: 2 cm

S.No	Test Parameters	Test Results	Test Method
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A MECHANICAL TESTING

1.	Water Absorption, % by mass	0.04	ASTM C 97
2.	Apparent Density, g/cm ³	2.406	ASTM C 97
3.	Moh's Hardness	7	ASTM C 1895
4.	Flexural Strength, MPa	-	ASTM C 880
	Dry Condition	66.2	
	Wet Condition	78.5	
5.	Co-efficient of Linear Thermal Expansion, °C ⁻¹	4.8 X 10 ⁻⁶	ASTM C 372
6.	Abrasion Resistance, H	31.1	ASTM C 241

B. CHEMICAL TESTING

7.	Resistance to Staining	Not Affected	ASTM C 1378
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TECHNICAL SPECIFICATIONS

Material: Cristobalite
Thickness: 3 cm

S.No	Test Parameters	Test Results	Test Method
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A MECHANICAL TESTING

1.	Water Absorption, % by mass	0.03	ASTM C 97
2.	Apparent Density, g/cm ³	2.145	ASTM C 97
3.	Moh's Hardness	7	ASTM C 1895
4.	Flexural Strength, MPa	-	ASTM C 880
	Dry Condition	67.3	
	Wet Condition	91.1	
5.	Co-efficient of Linear Thermal Expansion, °C ⁻¹	4.8 X 10 ⁻⁶	ASTM C 372
6.	Abrasion Resistance, H _a	29.4	ASTM C 241

B. CHEMICAL TESTING

7.	Resistance to Staining	Not Affected	ASTM C 1378
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