



LUMINA STONE
THE NEW QUARTZ ERA

PRODUCT SPECIFICATIONS SHEET

The integral solidity and strength of Lumina Stone's quartz surfaces provide designers with the widest possible choice of profile options available in natural stone products. This freedom inspires architects and designers to explore creative concepts and shape them into practical applications.

Slab Dimensions

The slab dimensions of Lumina Stone's quartz surfaces are 118" x 55" and 126" x 63" which enables optimized flexibility and maximum utilization of material. The Lumina Stone slabs are available in four thicknesses: 12mm, 20mm and 30mm in order to enable a multitude of applications.

Precision and Efficiency

Whether for private quarters, work areas or public spaces, Lumina Stone's quartz surfaces represent a solid asset that ensures value for money and return on investment for years to come.

TECHNICAL SPECIFICATION

TEST ITEM	TEST METHODS	TEST RESULTS	
APPARENT DENSITY	EN 14617-1:2013	2.34 g/cm ³	
WATER ABSORPTION	EN 14617-1:2013	0.01%	
MOH'S HARDNESS	EN 101	7	
FLEXURAL STRENGTH	EN 14617-2:2016	42.2MPa	
SLIP RESISTANCE (POLISHED)	EN 14231:2003	SRV "dry": 62 SRV "wet": 17	
ABRASION RESISTANCE	EN 14617-4:2012	23.0 mm	
THERMAL SHOCK RESISTANCE	EN 14617-6:2012	Mass loss: 0.03% Appearance: No visible defects Flexural strength after thermal shock: 44.2MPa Flexural strength Loss: -4.7%	
IMPACT RESISTANCE	EN 14617-9:2005	11.22J	
LINEAR THERMAL EXPANSION COEFFICIENT	EN 14617-11:2005	23.5x10 ⁻⁶ /°C	
DIMENSIONAL STABILITY	EN 14617-12:2012	Class: A	
FROST AND THAW RESISTANCE	EN 14617-5:2012	Flexural strength after freeze and thaw resistant: 44.1MPa The change in flexural strength: 104.5%	
BREAKING LOAD AT DOWEL HOLE	EN 14617-8:2007	5660 N	
SURFACE RESISTIVITY	EN 14617-13:2015	1.56x10 ¹² Ω/sq	
VOLUME RESISTIVITY	EN 14617-13:2015	3.42x10 ¹³ Ω-cm	
THERMAL CONDUCTIVITY	EN 15285:2008 Section 4.2.10 & EN 12664:2001 Heat flow meter method	0.746W(m-K)	
CHEMICAL RESISTANCE	EN 14617-10:2012	Rating: C ₄	
RESISTANCE TO CHEMICALS AND STAINING AGENTS	EN 14688, CLAUSE 5.5	STAINING AGENT	CLEANING TEST
		CH ₃ COOH (10% V/V)	REMOVAL
		NaOH (5% m/m)	REMOVAL
		C ₂ H ₅ OH (70% V/V)	REMOVAL
		NaOCl (5%)	REMOVAL
		METHYLENE BLUE (1% m/m)	REMOVAL
NaCl (170 G/L)	REMOVAL		
RELEASE OF DANGER SUBSTANCES (REACH)	SGS In-House method-GZTC CHEM-TOP-092-01, GZTC CHEM-TOP-092-02, Analyzed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method	Pass	