

Survey No. 286, Village Naroli Near Naroli RTO Check Post,
Silvassa - 396230 U.T. of Dadra & Nagar Haveli, India
Tel. +91 260 3006000 – Fax +91 260 3006001
www.kalingastone.com – info@kalingastone.com

TECHNICAL DATA FOR QUARTZ BASED ENGINEERED STONES

Brand name: **Kalingastone**
Material composition: **6-10 % Resin / 90-94 % Quartz**

Test type	Standard	Unit	Value
Water absorption	EN 99	%	≤ 0.02
Density	ASTM C 97	kg/dm ³	2.40 - 2.45
Flexural strength	EN 100	MPa	40 - 60
Abrasion resistance	EN 102	mm ³	98 - 160
Impact resistance	EN 14617-9	J	5.5 - 7.5 (for thickness 20 mm)
Glossiness Reflection	Gloss meter	%	55 - 70
Thermal expansion coefficient	EN 103	m/m ^{°C}	10 - 30 x 10 ⁻⁶
Compressive strength	ASTM C 170	MPa	150 - 240
Mohs hardness	EN 101	Mohs	6
RoHS Test For Pb,Cd,Hg,Cr6+, PBB & PBDE	IEC 62321:2008	ppm	Not Detected
Slip resistance	DIN 51130	-	R9 (for Honed 400)
Frost resistance	DIN 52104	-	Complies with the Standards



Survey No. 286, Village Naroli Near Naroli RTO Check Post,
Silvassa - 396230 U.T. of Dadra & Nagar Haveli, India
Tel. +91 260 3006000 – Fax +91 260 3006001
www.kalingastone.com – info@kalingastone.com

TECHNICAL DATA FOR QUARTZ BASED ENGINEERED STONES

Tolerances on dimension and shape - IS 13630 Part 1-06

Property	Tolerances
Sizes - length - width	$\pm 0,5$ mm $\pm 0,5$ mm
Thickness	$\pm 0,7$ mm
Straightness of sides	$\pm 0,3$ mm
Rectangularity	$\pm 0,9$ mm
Flatness: - centre curvature - side curvature - warping	$\pm 0,2$ % referred to the dimension of the length