WHEN SPECIFYING:

Materials for APPLICATION TYPE shall be Caesarstone COLOUR NAME COLOUR CODE

in slab thickness 20mm and Polished surface finish.

All Caesarstone materials, as supplied by Caesarstone Australia Pty Ltd which are manufactured in compliance with the following standards. The following certifications must be adhered to:
ISO 14001, NSF/ANSI 51, ISO 9001, OHSAS 18001, Kosher certificate, AS1530.3 1999, Caesarstone MSDS, CSIRO fire tests 2005, CSIRO Stain Tests 2005, CSIRO Accelerated Wear Test, AS1530.3 1999, AS NZ 3837 1998, AS NZ 3837 1998, IQNet ISO 14001_2004 Environment, Greenguard Compliance, and all other International and Australian test standards as detailed in 'Caesarstone Quartz Surfaces Technical Data' sheet.

Copies of all certification are available to view and download at www.caesarstone.com.au/prozone .
For further information please contact Caesarstone on 1300 119 119

CAESARSTONE QUARTZ SURFACES TECHNICAL DATA

TEST PERFORMED	TEST STANDARD	RESULTS
PHYSICAL PROPERTIES		
Water Absorption	ASTM C97*	<0.05%
Density	ASTM C97*	2.2-2.4 gr/cm^3
	EN 14617-1*	2.2-2.4 gr/cm^3
Flexural Strength	ASTM C880	6,500-10,770psi; 44.8-74.3MPa
	EN 14617-2*	57.6-70.0MPa
Dimensional Stability	EN 14617-12*	Class A
Electrical Resistivity	EN 14617-13*	Volume resistance (R_v) = 0.92 x 10^{14} Ω Volume resistivity (ρ_v) = 4.88 x 10^{12} Ωm
DURABILITY		
Impact Resistance	ASTM D1709*	26.3 lbs (117N)
	EN 14617-9*	4,000- 10,000[J]
Compressive Strength	ASTM C170*	21,312- 27,133psi
	EN 14617-15*	178.3-210.6MPa
Abrasion	ASTM C501*	216-696
	ASTM C1243	Volume of chord: V=132-244 mm^3
	EN 14617-4*	Groove length = 21.8mm or V=86mm^3
Freeze-Thaw Resistance	ASTM C1026*	No defects after 15 freeze-thaw cycles
	EN 14617-5*	No defects after 25 freeze-thaw cycles
Mohs Hardness		6.5-7

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TEST PERFORMED	TEST STANDARD	RESULTS
THERMAL PROPERTIES		
Linear Thermal Expansion	ASTM D696	-30 to +30°C: 1.3-1.9 x 10^{-5} cm/cm/°C
	EN 14617-11*	-30 to +30°C: 2.1 x 10^{-5} ($°C^{-1}$); -30 to +60°C: 2.7 x 10^{-5} ($°C^{-1}$)
Thermal Conductivity	EN 12664/ISO8301*	1.75 W/m. °K (mean T of 10°C)
Thermal Shock	EN 14617-6*	No visual defects after 10 cycles Loss in mass = 0.02% - 0.05% Loss in flexural strength = 0.7% - 1.1%
Boiling Water Resistance	NEMA LD3-3.5	Pass
High Temperature Resistance	NEMA LD3-3.6	Pass
SAFETY		
Cigarette Test	ANSI Z 124.6	Pass
Surface Burning	ASTM E84*	Class 1 and Class A
Fire Classification	EN 13501-1*	Wall cladding: B-s1-d0 Flooring and stairs: B-fl-s1
Static Coefficient of Friction	ASTM C1028*	As received – Dry: 0.8; Wet: 0.6
		As renovated – Dry: 0.9; Wet: 0.6
Slip Resistance	DIN 51130*	Oil wet ramp: R9 - 10
	DIN 51097*	Wet barefoot ramp: C
	EN 14231*	Wet: 13 - 21 SRV; Dry: 43-53 SRV
	AS/NZS 4586*	Four S rubber pendulum: 25 - 30 BPN
		Wet barefoot ramp: B
		Oil wet ramp: R10
Radiation	ANSI/N42.14	^{226}Ra = 1.4-6.8; ^{232}Th = 1.4-3.7; ^{40}K = <3-30.3 (Bq/kg dry weight)
STAIN AND CHEMICAL RESISTANCE AND CLEANABILITY		
Stain Resistance**	ANSI Z 124.6	Pass
Wear and Cleanability	ANSI Z 124.6	Pass
Chemical Resistance	ANSI Z 124.6	Pass
	EN 14617-10*	Class C_4

Caesarstone quartz surfaces are created from up to 93% natural quartz aggregates, organic pigments and enhanced polymer resins.

*Results represent a partial series range.

**Some models require scrubbing to remove certain stains.