

The Truth about Chroma:

Chroma gives the best value for quality, price, and selection:

- Chroma is manufactured using the technology pioneered by the Breton Company, of Italy.
- Any quartz product, manufactured using the Breton process: Chroma, CeasarStone, Zodiaq, Silestone, Cambia, etc; go through an identical production process
- Any differences between products manufactured using the Breton process is a result of the raw materials. Chroma is manufactured using only the highest quality quartz and other raw materials that have been recommended and tested by Breton.
- Any quartz product, manufactured using the Breton process, and that use high quality materials have very similar structural characteristics and when tested, have very similar results.
- Chroma, like all other quality quartz, has very low water absorption rate (0.005%-0.02%), because of this sealing is not required. However, if you feel that due to the color choice or installation environment a measure of extra protection would help ensure long term satisfaction for the user; Chroma can be sealed without impacting the warranty
- There was a point of confusion in our instruction manual regarding 3cm material and support; that was revised in late April, and should conform to your standard practices.
- As Chroma is structurally similar to other quartz products, it will perform similarly in any given situation or environment. We have chosen, in some cases, to follow a more conservative route on our installation recommendations. Preferring to provide instructions that, if followed, will have the greatest chance of providing long term, trouble free use for the end user.

CHARACTERISTICS	TEST METHOD	UNIT OF MEASUREMENT	RANGE OF VALUES
Density	ASTM C 97	Kg/dm ³	2.3-2.5
Flexural Strength (modulus of rupture) - DRY	ATM C 880	PSI	7.74-7.82
Flexural Strength (modulus of rupture) - WET	ATM C 880	PSI	4.87 - 8.31
Water Absorption	ASTM C 97	%	0.005-0.02
Compressive Strength - DRY	ASTM C 170	PSI	22.08-29.89
Compressive Strength - WET	ASTM C 170	PSI	15.76-29.89
Breaking Load	ASTM 648	Lbs	1207-1340
Coefficient of Thermal Expansion	ASTM C 531-0	200 to 1000C AT (10-6/C-1)	20.1to 31.9
Hardness	EN 101	Moh's scale	6-7
Tensile Strength	ASTM D 638	MPa	17.8
Resistance to deep abrasion	ASTM C 241	Index	58-63
Wear resistance of the Surface (Abrasives power Index)	ASTM C 501		113 to 212
Slip resistance	DIN 51130	HONED 400 POLISHED	R9 - R10
Resistance to Chemical Acids	ASTM C 560		NOT AFFECTED
Bacteria & Fungal resistance	ASTM G 21		NO GROWTH
Suitability for use in Kitchen Bench tops	EMPFEHLUNG XII BGVV		SUITABLE

NOTE: The values quoted above for Chroma Quartz are an average range of values of the different products tested and should be considered as an indication only. The test results may vary depending on the colors selected and the production batch.

Chroma Quality, Chroma Price.

Pental Granite & Marble is proud to introduce Chroma Quartz. Allowing you to purchase the highest quality material, at the most affordable price.

- ❑ Manufactured using the latest in Breton Technology.
- ❑ Manufactured in an ISO 14001:2004 facility.
- ❑ Manufactured in an ISO 9001:2000 facility.
- ❑ USGBC (U.S. Green Building Council)
- ❑ Manufactured using Breton tested and approved materials of the highest quality.

Chroma Selection

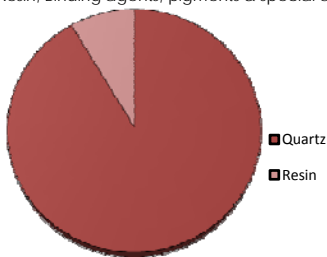
While many lines on the market focus on one look, for example; Granite or Limestone. Chroma offers you the widest possible selection, ensuring you can find the look you want.

What is Quartz

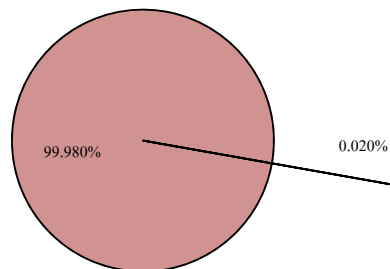
Quartz slabs are a manufactured stone. Quartz manufactured using the Breton process creates an inert, heat, scratch and stain resistant surface that is very hard, non porous, and is bacteria and fungal resistant, ideal for use in kitchens and bathrooms.

Quartz Properties

Quartz slabs are: 90-93% Quartz
7-10% - Resin, Binding agents, pigments & special additives



Absorption rate is less than 0.02%



Moh's Hardness Scale



Chroma Test Results

CHARACTERISTICS	TEST METHOD	UNIT OF MEASURE	CHROMA QUARTZ (Range of Values)
Density	ASTM C 97	Kg/dm ³	2.3-2.5
Flexural Strength (Modulus of rupture) <i>DRY</i>	ATM C 880	PSI	7.74-7.82
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What sets Chroma apart?

When shopping for quartz you may see terms like "A, B, C" or "1st, 2nd, 3rd" grade. Upon production, quartz slabs are graded based on different characteristics such as: Excessive blotches, disbursement of quartz, finish, cracks, pits, holes, polishing marks, voids, flatness, and thickness/size variance. Unlike some of our competition, we only stock and sell 1st quality material, insuring that you will get the very best that the Breton process has to offer.

Every Chroma slab must meet exacting criteria. If a slab fails to meet or exceed *every standard*, we won't put our name on it. You don't have to worry about quality, we did that for you.

Chroma: Premium Quality at an Affordable Price.

Make sure it is Breton Made

Chroma quartz is manufactured using the Breton Process. The Breton company, in Italy, pioneered and perfected the process of manufacturing quartz stones. Most of the quartz products sold in the U.S., including all national brands are manufactured using their technology. Aggregates, binders, additives, and fillers are mixed and distributed. Using vibration and a vacuum process the slabs are formed, The slabs are heated to approximately 120°C to cure to their hardened state. Finally the slabs are finished, sized and inspected.

