

Quartz Information

Care & Maintenance:

- For routine cleaning utilize a damp cloth or paper towel.
- For more difficult stains a small amount of mild soap can be utilized.
- Although Quartz has low liquid absorption it is advisable to seal the product on an annual basis. It is recommended to utilize a marble sealer while carefully following the manufacturer's instructions.
- DO NOT expose, in use or otherwise, Quartz to abrasive or strong alkaline or acid or free radicals or oxidizers or the like (whether high, neutral or low pH) cleaners. Various chemicals are corrosive and/or erosive in their ability to attack any structure including Quartz. Be very aware of these potential damages to your surface.

General Precautions:

- Be cautious when exposing your quartz surface to any chemicals or solvents.
- Many commonly used household cleaning products may have negative effects on the quartz surfacing.
- Never expose Quartz Surfaces to any chemicals that contain trichlorethane or methylene chloride such as paint removers and furniture strippers.
- If accidental exposure to any damaging products should occur, thoroughly rinse the affected area with water as soon as possible.

Certification:



The Stone Resource Quartz is NSF-51 Certified. This food-safe certification allows our quartz to be installed in hotels, hospitals, educational facilities and office buildings.

Test Data:

Test Item	Test Standard	Test Result
Water absorption	≤ 0.2%	0.10%
Flatness deviation	≤ 0.5mm	0.3mm
Angular deviation	≤ 0.4mm	0.4mm
Moh's hardness	≥ 3	6
Flexural strength(dry)	≥ 16MPa	30 MPa
Flexural strength(wet)	≥ 18MPa	30 MPa
Compressive strength(dry)	≥ 90MPa	159MPa
Compressive strength(wet)	≥ 95Mpa	173MPa
Appearance quality	Composite Standards	Composite Standards
Chemical resistance	Sample surface have no obvious damage	No obvious corrosion damage
Heat resistance	Sample surface without break, crack or blister	Surface does not break, crack and no meaningful change in color
High temperature resistance	Sample surface without break, crack or bulge	Surface does not break, crack or bulge
Water Resistance	Sample surface without break, bulge or stratification	Surface does not break, bulge or stratify
Barcol Hardness	58 (forPMMA)	90
Stain Resistance	Less than pollution of 64, total smear depth less than 0.12mm	Pollution is 52, smear depth of 0.08mm
Flame Resistance	≥ 35	44
Bending Elastic Modulus	≥ 6500 MPa	1.6x10 ² MPa
Radioactivity (internal exposure index)	Grade A ≤ 1.0	0.01
Radioactivity (external exposure index)	Grade A ≤ 1.3	0.02