

Product Code: HF682

G-STONE

Quartz Slab Processing & Maintenance Guide

Professional instructions for fabrication, installation and care of Calacatta Gold Quartz Slabs

Product Introduction

Calacatta Gold Quartz Slab HF682 features a luxurious white background with elegant grey and gold veining, inspired by prestigious natural Calacatta marble. This premium quartz surface combines exceptional beauty with outstanding durability, making it ideal for high-end residential and commercial applications worldwide.

Note: Quartz surfaces are engineered stone products composed of approximately 90-95% natural quartz crystals bound with high-quality polymer resins. This composition provides superior performance characteristics compared to natural stone.

Fabrication Guidelines

1. Cutting & Drilling

- Use professional diamond cutting tools specifically designed for quartz surfaces
- Maintain adequate water flow during cutting to prevent tool overheating and dust control
- Support the slab properly during drilling operations to prevent edge chipping
- Plan all cutouts in advance, avoiding areas close to edges or weak points

- For sink cutouts, maintain minimum 3-inch distance from slab edges

2. Edge Finishing & Polishing

- Use professional edge profiling equipment with diamond polishing pads
- Follow progressive polishing sequence from coarse to fine grits (50 to 3000)
- Use quartz-specific polishing compounds; avoid wax-based products
- For complex edge profiles, CNC machinery is recommended for precision

3. Installation Best Practices

- Ensure substrate is perfectly level, solid, clean and dry
- Use high-quality quartz-specific adhesives for optimal bonding strength
- Maintain expansion joints (recommended 2-3mm) between slabs and at walls
- Avoid point loads or impact forces directly on the slab surface
- For large installations, use appropriate supporting structures

Important Safety Notice: While quartz slabs have high hardness (Mohs 7), they can be brittle during handling. Always use proper lifting equipment and edge protection during transportation and installation.

Maintenance & Care Guide

1. Daily Cleaning

- Clean regularly with soft cloth or sponge and mild soap solution
- Avoid abrasive cleaners, scouring pads, or harsh chemicals
- Wipe up spills promptly to prevent potential staining
- Rinse thoroughly with clean water and dry with soft cloth

2. Stain Removal Guide

Stain Type	Recommended Treatment
Oil, Grease, Food Stains	Neutral cleaner or dedicated quartz surface cleaner
Ink, Dye, Marker	Isopropyl alcohol or acetone, then rinse thoroughly
Coffee, Tea, Wine	12% hydrogen peroxide solution with few drops of ammonia
Chewing Gum, Adhesives	Plastic scraper to remove bulk, residue with alcohol
Hard Water Stains	Vinegar solution (50/50 with water), rinse immediately

3. Usage Guidelines

- Use trivets or hot pads for pots and pans above 150°C (302°F)
- Always use cutting boards - avoid direct cutting on surface
- Avoid prolonged direct sunlight exposure to prevent potential color change
- Avoid contact with strong acids and alkalis (bleach, paint removers, etc.)
- For outdoor applications, ensure proper UV-stable installation

Maintenance Tip: Quartz is non-porous and never requires sealing. For optimal appearance, use dedicated quartz cleaners periodically to maintain surface luster.

Performance Comparison

Performance Indicator	Quartz Surface	Natural Marble	Granite
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Hardness (Mohs Scale)	7	3-4	6-7
Water Absorption	0.02%	0.5-2%	0.1-0.5%
Stain Resistance	Excellent	Poor (requires sealing)	Good (requires sealing)
Heat Resistance	Up to 150°C	Moderate	Excellent
Maintenance Requirement	Low (no sealing)	High (regular sealing)	Medium (periodic sealing)
Bacterial Resistance	Excellent	Good (when sealed)	Good (when sealed)

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