

QuietTile®

Adhesive QT-373



QuietTile is a soundproof elastomeric adhesive for use on tile floors and walls in bathrooms, kitchens and foyers. Impact noise and vibration damping adhesive is engineered specifically for use with ceramic, glass and stone tile on porous surfaces such as wood and backer board. Ready-to-use advanced polymer is formulated non-toxic and anti-fungal. Environmentally friendly. Lab tested.

QuietTile is a white, ready-mixed, thin bed tile adhesive for reducing tile impact noise. It is especially formulated for fixing ceramic, marble, granite and mosaic tiles. QuietTile meets Draft ISO 13007 (AS4992) requirements for a D1 T E S2 adhesive — normal dispersion adhesive with extended flexibility.

A highly advanced viscoelastic tile adhesive formulated specifically to reduce impact noise in tiles

Environmentally friendly – nontoxic, no hazardous materials, no VOCs, water-soluble (no petroleum or ether), nonflammable

Typical tile floor impact noise reduction of 6–12dB, depending on application

Easily applied with 5/32" trowel using standard techniques

May be used in most construction for reduction of foot traffic and other acoustical noise

Elastomeric — reduces fractures and protects against tile cracks for years

Specification Clause

The tile adhesive shall be QuietTile — a white, flexible, thin bed pre-mixed adhesive for fixing ceramic and marble tiles to selected substrates in accordance with the manufacturer's instructions.

Features	Benefits
Single component	No mixing required
Smooth, viscous paste	Easily trowellable
Highly Flexible	Better accommodates building movement
Bright white	Ideal for translucent or slight color tiles
Viscoelastic Polymer	Specifically designed to reduce tile impact noise
Application Range	
Location	Internal
Performance Level	Residential, Commercial
Surfaces	Floors and walls
Tiles	Ceramic wall tiles, marble, granite and mosaics
Substrates	Cement render, concrete, fibre-cement sheets, plasterboard, light weight concrete, gypsum, plywood, backerboard



Made in USA

Environmentally friendly.

Simple

Clean

Fast

Effective





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Application Notes

Packaging: 1-gallon and 5-gallon pails

Shelf life: 12 months, when stored in the original unopened packaging, in a dry place at <86°F (30°C) and 50% relative humidity.

Coverage: One gallon of QuietTile will cover approximately 40–80 ft² of tiling when using a 5/32" V-notched trowel. Coverage will vary depending on substrate conditions and application technique.

Drying time: Approximately 72 hours, at 73°F (23°C) and 50% relative humidity. Dries by moisture evaporation, so allow longer for dense tiles/substrates, humid climates and low temperatures.

Surface preparation: Surfaces must be consistently flat and firmly fixed. Clean off dust, oil, grease and all loose contaminating materials. Ensure surfaces are dry before tiling, with no residue or permanent damp. For instructions on preparation of specific surfaces, refer to packaging.

Mixing: No mixing required.

Application: Before fixing tiles ensure the back of the tiles are free from dust. Apply QuietTile at a bed thickness between 0.04" and 0.12" (1mm and 3mm). As a guide, use a 5/32" V-notched trowel to spread the adhesive, ensuring it does not skin prior to bedding the tiles. Press and slide the tile at right angles to the notch pattern to ensure 100% coverage on the back of the tile. Lift a tile from time to time and check that there are no voids beneath the tile. Any surplus adhesive should be removed from the surface of the tile and joints before the adhesive sets. Allow to fully dry before grouting. For detailed instructions, refer to label.

Precautions

- Do not use QuietTile for continuous immersion applications (swimming pools, water tanks).
- Do not use to fix green marble or moisture-sensitive natural stone.
- Do not use for non-porous tiles over non-porous substrates (e.g. monocuttura or dense tiles over waterproofing membrane) or shower hobs due to unsatisfactory drying times.

Quality Product

QuietTile is manufactured and tested to Quiet Solution procedures, which are maintained in accordance with Quality System Standard ISO 9001. Material Safety Data Sheets are available upon request.

Technical Data

Form	Thick, white paste
Type	Single component
Odor	No odor after curing
Specific Gravity	Approx. 1.34
pH	8.0–9.0
Solid Content	>72 wt%
Brookfield Viscosity	Approx. 300,000 cP
Fully Compliant	No VOCs (<25g/l)
Flash Point	Above 212°F (100°C)
Apply at	45°–100°F (7°–38°C)
Layer Thickness	1/16" (~1.5mm)
Drying Time	72 hours
Coverage	40–80 sq. ft./gal @ 1/16" thick
Storage Temp	40°–100°F (5°–38°C) Do not freeze
Shelf Life	One year
Container Size	1-, 5- and 50-gallon containers
Weight (wet)	11.2 lbs/gal
Weight (dry)	8.4 lbs/gal

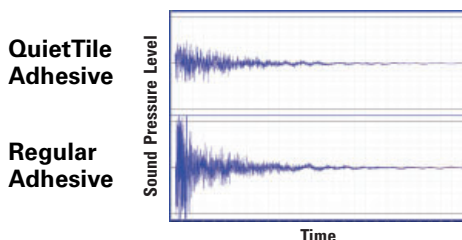
Mechanical Properties

Characteristics	
Shear adhesion strength	>145 psi
Tensile adhesion strength (14 days dry heat aging)	>73 psi
Tensile adhesion strength (after water immersion)	>73psi
Tensile adhesion strength (after freeze-thaw cycle)	>73psi
Tensile adhesion strength (extended open time)	>73 psi
Classification	D1 T E S2

User Notes

The technical details and recommendation contained in this datasheet are given in good faith and represent the best of our knowledge at the time of printing. It is the responsibility of the user to ensure that the products are used in accordance with Quiet Solution's instructions and in applications for which they were intended.

Acoustic Impact Comparison



Quiet Solution
1250 Elko Drive
Sunnyvale, CA 94089

800-797-8159
sales@QuietSolution.com
www.QuietSolution.com