

## QuarryTile 1500™ DTQ Primer

PDS  
PRODUCT DATA SHEET

DTQ 1500™ by InduraFloor – THE SOLUTION FOR QUARRY TILE

**QuarryTile 1500™ DTQ Primer** is an impermeable, two-component, modified epoxy coating for commercial kitchens and other quarry tile surfaces. Our DTQ Primer contains ZERO VOC and is developed to be applied directly to new and existing substrates. Its ability to seal up quarry tile, with tensile adhesion strength exceeding 1,500 psi, is unsurpassed. Because DTQ Primer is formulated to be applied directly to the tile, even when the surface is oily or greasy, has broken tiles or missing grout, DTQ eliminates the need for costly and time-intensive preparations, tile replacement and repairs, and grinding and shotblasting prior to application to the primer. DTQ was developed for Army facilities and as such successfully applied throughout US. It is developed for extreme temperatures, to be applied to walk-in freezers without needing to thaw first. In environments where traction control is needed, combine DTQ with our Polyaspartic TopCoat with our Non-Skid Grit. **QuarryTile 1500™ DTQ Primer is compliant with USDA and Health Department Regulations for Commercial Kitchens and Food Contact Surfaces.**

**QuarryTile 1500™ DTQ Primer** was formulated as a solution for quarry tile problems in commercial kitchens. It was developed to be applied directly over quarry tile, with only minimal preparation and without the need to grind and shotblast. This gives the client a fast return to service with a dust-free guarantee – two requirements for the restaurant- and commercial food and hospitality industry. By eliminating the need for tile maintenance, replacement and demolition and by creating one continuous surface without grout lines, which takes away the maintenance needs of bacteria harboring grout, DTQ enables facilities to get Board of Health Exemptions from floor inspections. Our NonSkid Grit will add texture and traction without reducing the cleaning abilities of the surface, giving commercial kitchen floors secure traction control without jeopardizing Board of Health status.

- ⊗ Compliant with USDA and Health Department Regulations for Commercial Kitchens and Food Contact Surfaces.
- ⊗ Eliminates the need for tile and grout maintenance, reducing future commercial cleaning and maintenance costs.
- ⊗ Dust Free guarantee, ZERO VOC and fast return to service



- ✓ QuarryTile 1500™ DTQ Primer is an impermeable coating with an exceptional tensile adhesion strength exceeding 1,500 psi.
- ✓ QuarryTile can be applied with only minimal preparation directly to the existing substrate
- ✓ QuarryTile is designed to last and not delaminate. Can be applied in high humidity, moist or wet environments, and in freezing temperatures

### Unique Advantages

Zero VOC, low odor  
Directly apply over existing tile  
Minimal preparation, dust free guarantee  
Cures in wet, freezing or hot environments  
Tack-free and ready for topcoat in less than 120 min.  
Commercial return to service in less than 8 hours  
Extremely Damage Resistant

### Extraordinary Properties

High Tensile Adhesion Strength exceeds 1,500 psi  
Designed to last, guaranteed to stick and NOT delaminate  
Extensive inherent chemical resistance  
Extremely tough with hydrophobic stability and low permeability  
Compliant with EU 10/2011 and FDA 21 CFR 175.300

### Applications

Directly over existing quarry tiles or other tile and grout lines  
Directly over oily and greasy surfaces  
As preventative treatment for new substrates to prevent against tile damage and grout deterioration  
For commercial, industrial and residential settings  
Add NonSkid Grit for slip resistance

| WORKING PROPERTIES      | RESULT          |                  |
|-------------------------|-----------------|------------------|
|                         | TYPICAL PRODUCT | QuarryTile 1500™ |
| MIX RATIO               | 1:2             | 1:1              |
| WORKING TIME (POT LIFE) | 20 - 30 min     | 50 - 60 min      |
| RE-COAT TIME (MIN)      | 12 hrs.         | 50 min           |
| RE-COAT TIME (MAX)      | 72 hrs.         | 24 hrs.          |
| FULL CURE               | 7 days          | 3 days           |

#### Area Coverage

A 2-gallon kit (1 gallon part A and 1 gallon part B) will cover 600 sq/ft on a flat even surface at 3 mils and 350 sq/ft on a coarse, uneven surface at 4-5 mils.

#### Adhesion Performance and Penetration during Hydrostatic Pressure Testing

Loss of adhesion at 50 lbs. of applied hydrostatic pressure: 0 (zero)  
Moisture wicking at 50psi

| PHYSICAL PROPERTIES                  | TEST METHOD | RESULT                     |                            |
|--------------------------------------|-------------|----------------------------|----------------------------|
|                                      |             | TYPICAL PRODUCT            | QuarryTile 1500™           |
| TENSILE ADHESION STRENGTH            | ASTM D4541  | >410 psi                   | >1,500 psi                 |
| VAPOR PERMEANCE                      | ASTM E96    | 0.052 gr/h/ft <sup>2</sup> | 0.011 gr/h/ft <sup>2</sup> |
| TENSILE ELONGATION                   | ASTM D638   | 2,500 psi                  | 3,200 psi                  |
| WATER ABSORPTION                     | ASTM D570   | <0.1%                      | <0.09%                     |
| COMPRESSION STRENGTH                 | ASTM D695   | >10,000 psi                | >18,000 psi                |
| FLEXIBILITY 1/4" CYLINDRICAL MANDREL | ASTM D522   | PASS                       | PASS                       |
| IMPACT RESISTANCE                    | ASTM D2794  | >160 inch/lbs.             | >320 inch/lbs.             |
| SHORE D HARDNESS                     | ASTM D2240  | 80                         | 89                         |

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#### Packaging Shelf Life and Storage

QuarryTile 1500™ DTQ Primer is available in the following units:

- ◇ 2-gallon kit (1-gallon part A and 1-gallon part B) in 3-gallon black pail – blue lid.
- ◇ 6-gallon kit (3-gallon part A and 3-gallon part B) in two pails: one 3-gallon black pail with white lid (part A) and one 3-gallon black pail with black lid (part B). Both 3-gallon pails come with pour spout in the lid.

QuarryTile 1500™ DTQ Primer can be stored for 2 years unopened under good storage conditions. Store locked up and out of reach of children. Do not store in direct sunlight. Do not expose to freezing temperatures. Store in upright position. Store in accordance with local regulations. Store in original containers in a dry, cool and well-ventilated area between 60°F and 80°F. Containers that have been opened must be carefully resealed and kept upright.

#### Processing Characteristics

Tack free dry time: 120 min.

Subsequent coat can be applied after 90 min.

Recoat time: 24 hours. After 24 hours, you must perform the following procedure prior to recoating:

Light acetone wetting. Acetone wetting eliminates dust and "opens" the DTQ up to allow for maximum adhesion.

QuarryTile 1500™ DTQ Primer primary purpose is superior adhesion. Proper application will result in adhesion from 1,500 psi to at least 1,500 psi.

Do not dilute.

#### Application

For complete application instructions, refer to the Technical Data Sheet and Application Instructions. Read all documents before application. Our product is unique, and MUST be handled accordingly. Failure to follow all application instructions completely will void the warranty. Please consult InduraFloor directly for additional information or to discuss specific application questions.

For optimum performance, product must be stored between 60°F and 80°F (15.5°C and 27°C). Surface and ambient temperature for application must be between 60°F and 80°F (15.5°C and 27°C).

Prepare the surface. Dry sweep and remove loose debris. Clean water wipe if needed. Follow with acetone wetting. Blend QuarryTile 1500™ Parts A and B. Blend each part individually first. If adding color, add color to part A prior to blending parts A and B. Blend Part A with Part B on 1:1 basis. Gently blend both parts, using a low RPM mixer, until the product is evenly colored. On average, this takes about 30 seconds. After blending, let mixture rest for 5 minutes before starting application. Apply with short nap roller. Film thickness should be 4-6 mils when applied to flat even surface. Working time is 50-60 minutes. Tack free in 90-120 minutes.

Clean up using acetone for all tools and surfaces.

#### Working Temperature

Optimal application temperatures generally are between 60°F and 80°F (15.5°C and 27°C). This is for both ambient and surface temperatures. Outside this temperature range dry times will become exponentially longer. DTQ has been formulated to be applied outside this range, even below 41 °F. For the specific application methods required for extreme temperatures please consult your InduraFloor specialist.

#### Safety and Handling

Do not handle until all safety precautions have been read and understood and until all application instructions have been read and understood. The complete safety and handling instructions are in the Safety Data Sheet and Technical Data Sheet. Wear protective gloves. Wear eye or face protection. Wear protective clothing and wash hands thoroughly after handling. Avoid release of product into the environment.

#### Disclaimer

This information is presented herein was believed by InduraFloor to be accurate at the time of preparation, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by InduraFloor are subject to InduraFloor's terms and conditions. InduraFloor makes no warranty, express or implied, concerning the product or merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided by InduraFloor except that the product shall conform to InduraFloor's specifications. Safety information provided is generated for the purpose of distributing known health, safety and environmental information and is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. Demos or applications provided by representatives of InduraFloor on projects or jobsites per product purchaser request are in no way acceptance of liability for the project or finished final outcome of the project.