

IAR Library: 09.66.00 Fr 2010 and
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Terrazzo Flooring
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2010

PRODUCT INFORMATION	TYPE OF PRODUCT	Marble Tile																																							
	COMPANY NAME	Fritz Tile																																							
	PRODUCT/COLLECTION NAME	Vibrant Pearl Terrazzo Series - VP5500 Series																																							
	DESCRIPTION	Flexible Marble Tile 11.92 x 11.92 x 1/8 " (#VP-5522 Mother of Pearl BK sample)																																							
MATERIAL FEEDSTOCK	MATERIAL CONTENT	Not Specified																																							
	RECYCLED CONTENT %	Utilizes post-consumer recycled materials																																							
	RAPIDLY RENEWABLE CONTENT %	N/A																																							
	HARMFUL ADDITIVES	Solvent -free																																							
	HARMFUL EMISSIONS	Non Specified																																							
	EMISSION STRENGTH OVER TIME	No off gassing																																							
	TREATMENTS	Sealant used upon installation, exact contents not known																																							
MANUFACTURING	MANUFACTURING PROCESS	Manufactures Fritztile Terrazzo Tile using marble and granite aggregates derived from waste rubble from the manufacturing of other stone products																																							
	HARMFUL EMISSIONS	None Stated																																							
	LOCATION OF MANUF. PLANT	90% of extracted materials for adhesive and underlayments are acquired within 500 miles of Dallas. Texas manufacturing plant																																							
	TESTS/CODES	None Stated																																							
	3RD PARTY CERTIFICATION	Member of United States Green Building Council (USGBC) Most Fritztile flooring products can qualify builders for points contributing to LEED certification																																							
INSTALLATION	INSTALLATION PROCEDURE	Generally installed in the same manner as vinyl tiles. Properly assessed substrate surfaces. Do not install over unstable substrates such as particleboard, mahogany or gypsum underlayment. Installation environment and tile must be allowed to condition at 70% ambient or higher, for at least 48 hours prior to installation. Note: See PDF: Fritztile_Basic_Installation_Instructions_774.pdf @ http://fritztile.com/tile for detailed instructions.																																							
	INSTALLATION ADHESIVES	Adhesives are water-based, solvent-free, and non-flammable adhesives																																							
	UNIT COST	Average cost per sq. ft. over 10yr. ranges from \$1.40 – 1.63																																							
	LIFE CYCLE ANALYSIS EXTRACTION	Average cost per sq. ft. over 10yr. ranges from \$1.40 – 1.63 Strives to utilize 50-60% less energy, resource consumption and/or waste production																																							
	END OF SERVICE LIFE	Not Specified																																							
	MISC. PROPERTIES	QUALITIES/PROPERTIES OF PRODUCT	20 yr. wear warranty ASTM F510-93 resistance to abrasion (1000 gram load at 500 cycles)																																						
MISC. COMMENTS		N/A																																							
CONTRIBUTION TO LEED POINTS		Which points does the material contribute to in the following LEED categories: Sustainable Site, Water Efficiency, Energy and Atmosphere, Materials and Resources, Indoor Environmental Quality																																							
		<p>LEED Rating Criteria GreenTile</p> <p>GRN-800 GlassTile</p> <p>GL-6500A GlassTile</p> <p>GL-9500 Other</p> <p>Fritztile Fritztile</p> <p>Adhesives FritzGREEN</p> <p>Underlayments</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">WE 1.1 Water Use Reduction 20% (CI Ver. 2.0)</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 5%; text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>WE 1.2 Water Use Reduction 30% (CI Ver. 2.0)</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>WE 3.1 Water Use Reduction 20% (NC Ver. 2.2)</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>WE 3.2 Water Use Reduction 30% (NC Ver. 2.2)</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MR 1.2 Building Reuse 40%</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> <td></td> </tr> </table>	WE 1.1 Water Use Reduction 20% (CI Ver. 2.0)	1	1	1	1				WE 1.2 Water Use Reduction 30% (CI Ver. 2.0)	1	1	1	1				WE 3.1 Water Use Reduction 20% (NC Ver. 2.2)	1	1	1	1				WE 3.2 Water Use Reduction 30% (NC Ver. 2.2)	1	1	1	1				MR 1.2 Building Reuse 40%	1	1	1	1		
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		<p>MR 1.3 Building Reuse 60% 1 1 1 1 1</p> <p>MR 2.1 Construction Waste Management 50% 1 1 1</p> <p>MR 2.2 Construction Waste Management 75% 1 1 1</p> <p>MR 3.1 Resource Reuse 5% 1 1 1 1</p> <p>MR 3.2 Resource Reuse 10% 1 1 1 1</p> <p>MR 4.1 Recycled Content 10% 1 1 1</p> <p>MR 4.2 Recycled Content 20% 1 1 1</p> <p>MR 5.1 Regional Materials 20% 1 1 1 1*</p> <p>MR 5.2 Regional Materials 10% 1 1 1 1*</p> <p>EQ 4.1 Low Emitting Materials 1 1 1 1 1</p> <p>ID 1.1 Innovation in Design 1 1 1</p> <p>* These points are available only to projects within 500 miles of Dallas, Texas ** 90% of the extracted materials are acquired within 500 miles of Dallas, Texas</p>
<u>COMPANY PROFILE</u>	GREEN PHILOSOPHY	The selection of environmentally friendly products and materials is an important step in sustainable building. Recycled products should be used whenever possible to conserve our natural resources. By using more efficient building materials, it is estimates that the energy, resource consumption and/or waste production could be reduced by 50-60% without decreasing value, aesthetics or function. Fritz Industries is committed to manufacturing environmentally friendly products that allow you to build comfortable, healthy and energy efficient environments.
	CONTACT	Fritz Industries, Inc. Dallas, Texas 500 San Houston Rd. Mesquite, TX 75149 Toll-free:1-800-955-1323
<u>MAINTENANCE</u>	AFTER INSTALLATION	<p>Fritztile is factory sealed and should NEVER be stripped or flooded immediately after installation. Never apply strong acids, alkaline cleansers or wax to a Fritztile installation. These materials cause yellowing of the tile and will result in the tile requiring additional maintenance. Hard plastic casters and seating furniture designed for carpets will-also cause damage to Fritztile's surface. Use rubber casters with steel bearings or plastic floor mats around desk areas</p> <p>Fritztile contains real marble or granite chips set in a flexible thermoset resin matrix. Each Fritztile is coated with a factory sealed finish that should never be removed. This finish protects the tile surface during installation and allows the rock colors to be best appreciated. Once the installation is laid, the adhesive must be allowed to dry for a minimum time of 12 hours before the floor can be exposed to water or cleaning products. After the adhesive has had time to properly cure, Fritztile MUST be top-coated to help protect the new installation from other construction trades. Failure to perform this procedure immediately will result in an incomplete and unprotected installation that will allow tile joints to become irreparably soiled. Follow these procedures for preparing the floor and applying Fritztile cleaners, sealers and finishes:</p> <ol style="list-style-type: none"> 1. Vacuum and/or dust mop with an untreated non-linting mop to remove all loose dust and dirt. 2. Damp mop using a mixture of two (2) ounces of FCP-500 All-Purpose Cleaner to one (1) gallon of clean water. Follow all precautions on the product container. Rinse the floor with clear water. Be careful to avoid flooding the new installation. Do not scrub the floor, and do not allow water or dirt to penetrate the tile junctures. Let the floor dry completely. Note: In areas with water containing a high mineral content, using a new non-linting, soft polishing pad on a slow speed buffer may be necessary to remove dried mineral deposits. If this technique must be applied, dust mop afterwards with a non-linting, untreated mop. 3. Once the floor is completely dry, seal exposed perimeters with silicone. The silicone should be applied to create a water barrier protecting the tile edges at the installation perimeters. 4. For commercial (non-residential) installations apply two (2) very thin

coats of FCP-102 Floor Sealer with a clean, non-linting rayon string mop. During application the mop should be full, but not dripping with solution. Apply both coats all the way to the edges of the floor. Do not allow the coating to pool or puddle. Allow the floor to dry completely (at least 45 minutes) between coats. The second coat of FCP-102 must be applied in a direction perpendicular to the first coat.

5. Apply two (2) very thin coats of FCP-300 Duro-Gloss Floor Finish with a clean non-linting rayon string mop for commercial installations and (3) very thin coats for residential installations. Residentially, FCP- 300 can be applied with edged cheesecloth. Allow each coat to dry before applying the next coat. FCP-300 can be high speed burnished after 48 hours for a "snap-gloss" or can be left as applied for a more subtle gloss.

Daily Maintenance

Dust mop the floor daily to remove all loose dirt. Damp mop as needed. When the floor becomes soiled, clean the surface with FCP- 500 All-Purpose Cleaner. Dilute eight (8) ounces of FCP-500 to one (1) gallon of clean potable water. Do not allow any cleaning solutions to dry on the floor. Pick up the solution with a wet vac. Rinse the floor and allow it to dry. To maintain gloss, reapply FCP-300 Duro-Gloss as needed.

Restoration of Existing Floors

Stripping, resealing and refinishing a Fritztile floor will occasionally be necessary to maintain the gloss and appearance of the floor.

Stripping & Refinishing

1. Remove all old finishes from the floor surface using a mixture of eight (8) ounces of FCP-400 Floor Finish Stripper to one (1) gallon of warm water. Avoid high alkali strippers. Scrub the floor using a suitable stripping pad under a single disc floor machine. Pick up the stripping solution with a wet vac. It is advised that pads and techniques be practiced first in inconspicuous areas to ensure that the procedure does not remove the factory-applied coating. Do not allow solutions to dry on the floor or be left on the floor for more than 15 minutes.
2. Rinse the floor three (3) times with clean neutral pH water. This ensures that all of the detergent film has been removed from the tile surface.
3. Follow procedures for sealing and refinishing as explained in PRECAUTIONS AND CARE AFTER INSTALLATION instructions in this document, skipping step 4.