

PRODUCT INFORMATION	TYPE OF PRODUCT	Tiling																												
	COMPANY NAME	Daltile																												
	PRODUCT/COLLECTION NAME	Colorbody Porcelain/ Torreon																												
	DESCRIPTION	Tile for floors, walls, countertops and trim																												
MATERIAL FEEDSTOCK	MATERIAL CONTENT	Crystalline Silica (Quartz), Amorphous Silica (fused)																												
	RECYCLED CONTENT %	Pre-Consumer: 6.5% Post-Consumer: 0.0%																												
	RAPIDLY RENEWABLE CONTENT %	N/A																												
	HARMFUL ADDITIVES	None																												
	HARMFUL EMISSIONS	None																												
	EMISSION STRENGTH OVER TIME	None																												
	TREATMENTS	N/A																												
MANUFACTURING	MANUFACTURING PROCESS	<p>The process information below is based on the US manufacturing. These tiles are manufactured in Hong Kong and we have no specific information.</p> <p>Over 48 million pounds of material that cannot be used to make new tile products was recycled in state-approved beneficial reuse programs, including: Land reclamation, Roadbed base material, and Raw material for brick and cement manufacturing.</p> <p>A major component of our floor tile products is a by-product from a manufacturing process that makes products for the roofing industry, which was formerly disposed of as waste. This means Daltile has helped prevent an average of over 175 million pounds per year from ending up in our nation's landfills.</p> <p>Currently all manufacturing facilities recycle water to a great extent, and we are working towards our goal of zero discharge of process wastewater from any of our plants in the near future.</p> <p>Daltile's eight manufacturing facilities in the U.S. and Mexico provide the opportunity for our products and raw materials to be closer to more building projects, thus conserving fossil fuels required for transportation. In addition, we have several strategically placed Regional Distribution Centers and Sales Service Centers/Stone Showrooms across United States and Canada that allows us to maximize the volume of every truckload for the most efficient transportation our products. Further, a fuel saving device is being applied to reduce fuel consumption by 10%-20% and emissions by an average of 50%. Additionally, our manufacturing operations use clean-burning natural gas as an energy source in all of our kilns, which minimizes air pollution. No fuel oils or coals are utilized. Manufacturing plants have reduced natural gas demand over 8% in the last two years. Our holistic corporate approach to conservation has included innovative modifications to air compressor systems, installation of high efficiency lighting and office occupancy sensors, leading to a savings of over 18 million KWHr per year.</p>																												
	HARMFUL EMISSIONS	Not available																												
	LOCATION OF MANUF. PLANT	Distribution: 7834 C.F. Hawn Freeway Dallas, TX 75217 Manufacturer: Legend Pacific, RM 1122, 11/F Leighton Center, No. 77, Leighton Rd. Causeway Bay, Hong Kong																												
	TESTS/CODES	<table border="1"> <thead> <tr> <th>D.C.O.F.</th> <th colspan="2">C.O.F.</th> <th>Moisture</th> <th>Breaking</th> <th>Chemical</th> <th>Abrasion</th> </tr> <tr> <th>Wet</th> <th>Wet</th> <th>Dry</th> <th>Absorption</th> <th>Strength</th> <th>MOH's</th> <th>Resistance</th> </tr> </thead> <tbody> <tr> <td>≥ 0.42</td> <td>≥ 0.60</td> <td>≥ 0.70</td> <td><0.5%</td> <td>>400 lbs.</td> <td>8.0</td> <td>Resistant</td> </tr> </tbody> </table>		D.C.O.F.	C.O.F.		Moisture	Breaking	Chemical	Abrasion	Wet	Wet	Dry	Absorption	Strength	MOH's	Resistance	≥ 0.42	≥ 0.60	≥ 0.70	<0.5%	>400 lbs.	8.0	Resistant	<table border="1"> <thead> <tr> <th>Resistance</th> </tr> </thead> <tbody> <tr> <td>N/A</td> </tr> </tbody> </table>		Resistance	N/A		
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3RD PARTY CERTIFICATION	Green Squared Greenworks																													
INSTALLATION	INSTALLATION PROCEDURE	Step 1: Surface Preparation, Step 2: Layout, Step 3: Applying Adhesive, Step 4: Cutting Tile, Step 5: Setting Tile, and Step 6: Grouting Joints Special care should be given when installing tiles 20" and larger																												
	INSTALLATION ADHESIVES	Select the right adhesive for the substrate you're using. Carefully read and follow all instructions and precautions on the adhesive or mortar package. Mix only enough to be used within 30 minutes. Using the type trowel recommended on the adhesive package, spread a 1/4" coat on the surface of one grid area, using the flat side of the trowel. Do not cover guidelines. Next, use the notched side of trowel to comb adhesive into standing ridges by holding trowel at a 45-degree angle. Then remove excess adhesive, leaving a uniform, ridged setting bed. Don't spread a larger area than can be set in 15 minutes.																												
	UNIT COST	Sale price per sq. ft. varies from \$3 to \$10																												
	LIFE CYCLE ANALYSIS EXTRACTION	By their very nature Daltile's products have always been an earth-friendly design element. Simply because procelain tile can last much longer than soft surfaces, as well as all other																												

		hard surfaces, it won't likely be replaced for decades.
	END OF SERVICE LIFE	Tile may be recycled see above information
MISC. PROPERTIES	QUALITIES/PROPERTIES OF PRODUCT	Durable, long lasting
	MISC. COMMENTS	<p>Suitable for exterior floors, including pool decks, and walls in freezing and non-freezing climates when proper installation methods are followed. Suitable for industrial installations requiring high compressive strength.</p> <p>We do not recommend light colored quarry tile in commercial kitchens unless properly sealed. It is necessary to follow the proper procedures and recommendations from the grout and maintenance products manufacturers.</p> <p>Special care should be taken when grouting with dark pigmented colors. A grout release is recommended to prevent finely powdered pigments from lodging in the pores of the tile surface.</p> <p>Suitable for use on ramps when ordered with abrasive.</p>
	CONTRIBUTION TO LEED POINTS	MRc4: Recycled Content
COMPANY PROFILE	GREEN PHILOSOPHY	Daltile stands for beautiful design in every way possible. Because we believe the best design includes consideration for the environment, we believe in Greenworks™, our philosophy and commitment to helping create beautiful designs in ways that may also reduce environmental impact.
	CONTACT	Daltile 7834 C.F. Hawn Freeway Dallas, TX 75217 Toll-free: 800-933-8453 www.daltileproducts.com
MAINTENANCE	AFTER INSTALLATION	<p>Ceramic Tile - Routine Care</p> <p>Glazed tile products should be cleaned routinely with an all-purpose, low VOC household or commercial cleaner. A multipurpose spray cleaner, which removes soap scum, hard water deposits, and mildew designed for every day use, can be used on wall tile areas in residential baths and showers.</p> <p>The entire area should be cleaned and scrubbed with cleaner solution through the use of a cotton mop, cloth, sponge, or non-metallic brush. The entire area should be rinsed with clean water to remove any cleaning solution residue. Remember that you should sweep or vacuum floor areas prior to cleaning to remove any dust or debris. Routine cleaners should never contain hazardous or polluting products including, but not limited to acids or ammonia. Acids can damage the grout and the glazed surface of the tile, and ammonia can discolor the grout.</p> <p>Unglazed tile should be cleaned routinely with concentrated tile cleaners that have a neutral pH for safe regular use. These cleaners are better suited at removing grease, oils and normal spills from unglazed products. Again these products will vary depending on the application, amount of traffic and the use. The product chosen should also be compatible with cleaning the grout joints at the same time.</p> <p>Grout Maintenance:</p> <p>When heavy duty grout cleaning is required, you will need to use a professional strength Tile & Grout Cleaner that is capable of removing grease, soap scum, body oil, mildew stains, algae, and synthetic or acrylic waxes from the grout joints. However, such a product should contain non-polluting chemicals and low VOC levels.</p> <p>Grout Color Restoration:</p> <p>When grout has been stained to the point that it cannot be maintained or returned to its natural color, you can return the grout back to its original color or any other color through the use of a "grout stain". Prior to staining, the grout joint should be cleaned thoroughly to remove any dirt, oils, grease or sealers with a professional strength Tile & Grout Cleaner.</p>