

PRODUCT INFORMATION	TYPE OF PRODUCT	Tiling																									
	COMPANY NAME	Daltile																									
	PRODUCT/COLLECTION NAME	Kimona Silk																									
	DESCRIPTION	Porcelain Tile for floors, walls, countertops and trim																									
MATERIAL FEEDSTOCK	MATERIAL CONTENT	Muskogee Porcelain Tile products are mixtures of predominately Clays, Silica Sand and other naturally-occurring mineral, that have been mixed with water and fired in a high temperature kiln.																									
	RECYCLED CONTENT %	Pre-Consumer: 6.5% Post-Consumer: 0.0%																									
	RAPIDLY RENEWABLE CONTENT %	N/A																									
	HARMFUL ADDITIVES	Crystalline Silica, Amorphous Silica																									
	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 colspan="2">D.C.O.F.</th> <th colspan="2">C.O.F.</th> <th>Moisture</th> <th colspan="2">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> <th>Resistance</th> </tr> </thead> <tbody> <tr> <td>≥ 0.42</td> <td>≥ 0.60</td> <td>≥ 0.70</td> <td><0.5%</td> <td>>450 lbs.</td> <td>8</td> <td>Resistant</td> <td>N/A</td> </tr> </tbody> </table>	D.C.O.F.		C.O.F.		Moisture	Breaking		Chemical	Abrasion	Wet	Wet	Dry	Absorption	Strength	MOH's	Resistance	Resistance	≥ 0.42	≥ 0.60	≥ 0.70	<0.5%	>450 lbs.	8	Resistant	N/A
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3RD PARTY CERTIFICATION	None																										
INSTALLATION	INSTALLATION PROCEDURE	Use of a latex modified thin-set is recommended for installation.																									
	INSTALLATION ADHESIVES	Use low VOC grout and adhesives																									
	UNIT COST	Sale price per sq. ft. varies from \$4.49 to \$14.15																									
	LIFE CYCLE ANALYSIS EXTRACTION	By their very nature Daltile's products have always been an earth-friendly design element. Simply because porcelain 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 Suitable for exterior walls in freezing and non-freezing climates when proper installation																									

		methods are followed.
	MISC. COMMENTS	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 surface. Since there are variations in all fired ceramic products, tile and trim supplied from different batches may not match. Final color selection should be made from actual tiles and trim and not from tile and trim samples or color reproductions. Manufactured in accordance with ANSI A137.1 standards.
	CONTRIBUTION TO LEED POINTS	Recycled Content MR Credit 4
<u>COMPANY PROFILE</u>	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
<u>MAINTENANCE</u>	AFTER INSTALLATION	Grout haze is a film that has been left behind on the surface of the tile as part of the final grouting process. Usually this is buffed off the surface after the grout has achieved its initial 12 to 24 hour cure. The removal of the haze is often difficult when buffing with a clean rag or floor machine. Cementations grout haze can be successfully removed with "Sulfamic" acid, which is a mild acid that attacks and breaks down cement smears. There are several products on the market called grout haze removers, which usually contain Sulfamic acid. Sulfamic acid can also be purchased in powder form and mixed with water to different strengths by qualified professionals. Similarly, 100% Solids Epoxy Grout haze can be removed with an Epoxy Haze Remover. These removers are formulated to safely and quickly remove cured epoxy haze from new tile installations. Their unique formulation will soften most epoxy hazes for easy removal without damaging the grout or tile, usually in one application. Sulfamic acid or grout removers should never be used on Natural Stone products.