

PRODUCT INFORMATION	TYPE OF PRODUCT	Tiling
	COMPANY NAME	American Olean
	PRODUCT/COLLECTION NAME	Collaborative Expression (colorbody porcelain, glazed porcelain, quarry, floor and wall, glass and metal, mosaics, natural stone)
	DESCRIPTION	Tile for floors, walls, and trim
MATERIAL FEEDSTOCK	MATERIAL CONTENT	Crystalline Silica (Quartz), Amorphous Silica (fused)
	RECYCLED CONTENT %	Varies for each product
	RAPIDLY RENEWABLE CONTENT %	N/A
	HARMFUL ADDITIVES	None
	HARMFUL EMISSIONS	None
	EMISSION STRENGTH OVER TIME	None
	TREATMENTS	N/A
MANUFACTURING	MANUFACTURING PROCESS	<p>Commitment to Using Recycled Materials in Our Products Post-Consumer: Select floor tiles contain over 15% post-consumer recycled materials. Pre-Consumer: Over 97% of our manufactured products contain qualifying recycled materials, minimizing the use of raw materials to the greatest extent possible.</p> <p>Wastes Diverted From Landfills Since we use so many of nature's materials in our products, it's no wonder one of our most important changes is our dedication to help prevent adding solid wastes to landfills. The total amount of wastes diverted from landfills over the last five years as a result of our process operations is over 1.3 billion pounds. That is 250 million pounds every year. We accomplished this through three different practices: Utilizing byproducts that other companies have discarded Reusing our own manufacturing waste Recycling most solid materials that cannot be reused. Water Conservation Water is one of the most important resources on earth and it should be treated that way. Annually, American Olean recovers and reuses more than 90 million gallons of process wastewater. Today, three of our plants recycle and reuse 100% of wastewater generated during manufacturing. Our most current project involves working toward our goal of zero discharge of process wastewater from any of our manufacturing facilities.</p> <p>Energy Reduction Naturally, one of the most effective ways for us to contribute to the environment is through the conservation of energy. By reevaluating and reengineering some of our operating procedures, we've dramatically reduced our energy consumption.</p> <p>Our multiple manufacturing facilities in the United States and Mexico give us the opportunity to be closer to more projects than anyone. Raw materials are sourced regionally to the maximum extent possible resulting in conservation of fossil fuels required for transportation. Our holistic approach to conservation doesn't end with our products. In order to further our commitment to conserving nature, it's important to bring those values into our workplace as well. Changes we've made to air conditioning systems, lighting and office occupancy sensors in our offices and plants have led to a savings of more than 11 million kilowatts of electricity per year. That is equivalent to over 400 homes for an entire year</p>
	HARMFUL EMISSIONS	None
	LOCATION OF MANUF. PLANT	Varies for each product, check this page: http://americanolean.com/usa/index.cfm?AorD=asc&urut=manuf_City
	TESTS/CODES	Static Coefficient of Friction: Tile on walkway surfaces shall meet or exceed the following values as determined by testing in conformance with ASTM C 1028. <ol style="list-style-type: none"> 1. Level Surfaces: Minimum of 0.6 (Wet). 2. Step Treads: Minimum of 0.6 (Wet). 3. Ramp Surfaces: Minimum of 0.8 (Wet).
	3RD PARTY CERTIFICATION	Green Label, Green Label Plus, Greenguard, Greenguard - Children & Schools, Indoor Advantage, Indoor Advantage Gold, FloorScore, Green Squared

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 For more information check this page: http://americanolean.com/installinstructions.cfm
	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	Varies from \$1 to \$8/Sq.Ft
	LIFE CYCLE ANALYSIS EXTRACTION	By their very nature, American Olean products have always been an earth-friendly design element, and the fact that ceramic tile finishes can last more than 50 years makes our product cost efficient and helpful to nature. Simply because ceramic tile lasts longer than most surfaces - soft or hard - the long life cycle means our products won't likely be replaced for decades. And although it's not specifically a part of LEED®, you can rest easy knowing your project is both cost-friendly as well as being eco-friendly.
	END OF SERVICE LIFE	Tile may be recycled see above information
MISC. PROPERTIES	QUALITIES/PROPERTIES OF PRODUCT	Durable, long lasting
	MISC. COMMENTS	Glazed floor tiles should not be used where there is a consistent presence of water, oil, or grease unless COF exceeds 0.60. Proper maintenance is critical. Improper maintenance and improper maintenance products can result in a contaminant build-up on the surface of the tile causing the tile to be slippery. Exterior applications, including pool deckings, are considered to have a continuous exposure to standing water creating a potential for a slippery floor surface. American Olean does not recommend glazed floor tiles on exterior applications unless the tile surface is: (1) sufficiently protected from direct weather elements, (2) equal to or greater than .60 COF wet, (3) textured, and (4) not polished or semi-polished. Ramped surfaces, irrespective of the slant of the incline, require a more slip resistant surface and American Olean recommends a minimum of .80 COF on these surfaces. "Polished surfaces" create a very smooth surface. American Olean does not recommend polished surfaces in any areas subject to water, oil, or grease exposure. No floor tile is "slip proof." Test Methods - there are many different test methods for slip resistance. The tile industry uses ASTM C1028. American Olean recommends that customers have tile independently tested to determine if the American Olean product meets the requirements of the customer's preferred test method (if other than ASTM C1028) prior to product selection. Be sure to test competitor's products under any preferred alternative method for comparison purposes. American Olean does not warrant that any of its products will meet any testing parameter other than that measured by ASTM C1028.
	CONTRIBUTION TO LEED POINTS	MRC4: Recycled Content
COMPANY PROFILE	GREEN PHILOSOPHY	American Olean stands for beautiful design in every way possible. Because we believe the best design includes consideration for the environment, we've introduced Greenworks™, a belief that we can help create beautiful designs in ways that may also reduce environmental impact. American Olean Greenworks is more than just a compilation of our sustainability programs - it's a company-wide philosophy, a commitment to help contribute to the design of your sustainable projects, without compromising your artistic vision.
	CONTACT	Manufacturer: American Olean Tile Co. Address: 7834 C. F. Hawn Fwy. P. O. Box 17130 ; Dallas, TX 75217; Toll Free Tel: 888-AOT TILE; Tel: 214-398-1411; Email: request info (gina.norman@daltile.com); Web: www.americanolean.com American Olean Sales Service Center 405 Forsyth Hall dr. CHARLOTTE, NC 28273 704-504-2622 704-504-8712 fax
MAINTENANCE	AFTER INSTALLATION	Routine Ceramic Tile Care Wipe glazed wall tiles periodically using a cloth or sponge dampened with a non oil-based household cleaner. Vacuum glazed floor tiles regularly to remove dirt and other gritty particles, then damp mop or sponge with an all-purpose, non oil-based cleaner. Remember not to use ammonia, as it will discolor grout. Clean unglazed wall and floor tiles in a similar manner using a solution of water and soapless detergent instead of an all-purpose cleaner.

		<p>Grout Care Once the tile has been cleaned and dried (shortly after installation), grout joints should be treated with a silicone sealer. Grout, the material used to fill the spaces between tiles, is porous, and sealing it at this time will simplify maintenance in the future (Epoxy grouts do not require a sealer). We recommend you apply a sealer at least twice a year for maximum stain protection.</p> <p>Heavy Duty Cleaning Neglected or heavily trafficked tile may require more intensive cleaning. Clean glazed wall tiles with a scouring powder or all-purpose cleaner applied to a non-metallic pad. Rinse and wipe dry. For glazed floor tiles, use a commercial tile cleaner, or apply a strong solution of an all-purpose, non oil-based cleaner or scouring powder paste. Let stand for five minutes, brush and scrub. Then rinse with clean water and wipe dry.</p> <p>For heavy-duty cleaning of unglazed wall tiles, make a paste of scouring powder. Apply to surface and let stand for five minutes. Scour with brush, rinse and wipe dry. Unglazed floor tiles can be cleaned in the same manner. Though a small brush is suitable for most floors, you may want to use a scrubbing machine for large areas.</p> <p>To clean badly soiled countertops, apply a solution of scouring powder and very hot water. Let stand for five minutes, scrub with a stiff brush and rinse. Soap scum, mildew stains and hard-water deposits may be removed from ceramic tile using cleaning products that are commonly available at your local supermarket or home improvement store. With soft water, use an all-purpose, non oil-based cleaner. Allow to stand for five minutes before lightly scrubbing with a sponge. Rinse well.</p>
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