

PRODUCT INFORMATION	TYPE OF PRODUCT	Glass tile																																			
	COMPANY NAME	Trend																																			
	PRODUCT/COLLECTION NAME	Vitreo, Brillante, Shining, Feel, Aureo																																			
	DESCRIPTION	Wall and floor covering																																			
MATERIAL FEEDSTOCK	MATERIAL CONTENT	AOC (resin), IMERYS (limestone), US Silica (fine quartzite), UNIMAN (fine quartzite), and recycled glass																																			
	RECYCLED CONTENT %	Vitreo: between 9.85% to 55% post consumer Feel: between 45.20% to 77.76% post consumer Brillante: between 23.80% to 59% post consumer Shining: between 10% to 55% post consumer																																			
	RAPIDLY RENEWABLE CONTENT %	N/A																																			
	HARMFUL ADDITIVES	None																																			
	HARMFUL EMISSIONS	None																																			
	EMISSION STRENGTH OVER TIME	N/A																																			
	TREATMENTS	None																																			
MANUFACTURING	MANUFACTURING PROCESS	<p>Trend, following the mandated industry standard, has created a sophisticated water recycling systems in the production of agglomerates. At the plant in Sebring (FL), i.e., it has reduced 20% of the water consumptions and 20% the production of pollutants. Energy efficiency programs have delivered reductions in power consumption at all plants. Thanks to the installations of skylights we have amplified the external illumination with natural lights reducing the consumption of electrical energy and improving the atmosphere inside the working areas. Natural gas powers our glass mosaic factory and our engineered surfaces manufacturing plant. A new development program is underway to establish feasibility for wind turbines at the mosaic plant in India and to recover and re-use heat generated by our kiln in the Sebring agglomerate plant.</p> <p>IL PACKAGING The consumption and cost of packaging materials has been reduced through the use of reusable packaging and most petrochemical based materials have been replaced by recyclable or compostable materials like cardboard and corn starch biopolymers. WASTE Since 2004 Trend has been developing plans to reduce the waste amount of production. Waste of production processes are now the ingredients used to obtain other products: therefore in each Trend's plant the quantity of waste and semi-finished goods (to throw away) has been reduced significantly. Waste produced in the Sebring plant (FL) has decreased of 22%. In addition all our headquarters have adopted the "separate collection of rubbish". MARKETING TOOLS Many of our marketing tools have been digitalized reducing the use of paper. When catalogues are being printed, Trend uses FSC certified paper as originating from responsibly managed forests and all information about our company is available on line.</p>																																			
	HARMFUL EMISSIONS	Low VOC emitting products																																			
	LOCATION OF MANUF. PLANT	Sebring, Florida																																			
	TESTS/CODES	<table border="1"> <thead> <tr> <th>TEST PERFORMED AND REQUIREMENTS</th> <th>RESULTS</th> </tr> </thead> <tbody> <tr> <td>Range of thickness (ASTM C499)</td> <td>3.91 mm</td> </tr> <tr> <td>Facial dimensions (ASTM C499)</td> <td>19.98 mm</td> </tr> <tr> <td>Wedging (ASTM C502)</td> <td>0.0%</td> </tr> <tr> <td>Thermal shock (ASTM C484)</td> <td>Resistant</td> </tr> <tr> <td>Bond strength (ASTM C482)</td> <td>Passes</td> </tr> <tr> <td>Crazing (ASTM C424)</td> <td>Passes</td> </tr> <tr> <td>Friction coefficient (ASTM C1028-96)</td> <td>Dry condition 0.76 Wet condition 0.61</td> </tr> <tr> <td>Water absorption (ASTM C373)</td> <td>0.08%</td> </tr> <tr> <td>Apparent porosity (ASTM C373)</td> <td>0.20%</td> </tr> <tr> <td>Apparent specific gravity (ASTM C373)</td> <td>g/cm 3:2.37</td> </tr> <tr> <td>Bulk density (ASTM C373)</td> <td>g/cm 3:2.36</td> </tr> <tr> <td>Frost resistance (ASTM 1026)</td> <td>Resistant</td> </tr> <tr> <td>Chemical resistance (ASTM 543)</td> <td>Resistant</td> </tr> <tr> <td>Color resistance to fading (DIN 51094)</td> <td>Resistant</td> </tr> <tr> <td>Coefficient of linear thermal expansion (ASTM D696)</td> <td>Negligible (dilation is absorbed by grout)</td> </tr> <tr> <td>Resistance to fire</td> <td>Non-combustible - Class O (emits no toxic gas at melting)</td> </tr> <tr> <td>Wedging of flat, rectangular, ceramic wall and floor tile</td> <td>0.0%</td> </tr> </tbody> </table>	TEST PERFORMED AND REQUIREMENTS	RESULTS	Range of thickness (ASTM C499)	3.91 mm	Facial dimensions (ASTM C499)	19.98 mm	Wedging (ASTM C502)	0.0%	Thermal shock (ASTM C484)	Resistant	Bond strength (ASTM C482)	Passes	Crazing (ASTM C424)	Passes	Friction coefficient (ASTM C1028-96)	Dry condition 0.76 Wet condition 0.61	Water absorption (ASTM C373)	0.08%	Apparent porosity (ASTM C373)	0.20%	Apparent specific gravity (ASTM C373)	g/cm 3:2.37	Bulk density (ASTM C373)	g/cm 3:2.36	Frost resistance (ASTM 1026)	Resistant	Chemical resistance (ASTM 543)	Resistant	Color resistance to fading (DIN 51094)	Resistant	Coefficient of linear thermal expansion (ASTM D696)	Negligible (dilation is absorbed by grout)	Resistance to fire	Non-combustible - Class O (emits no toxic gas at melting)	Wedging of flat, rectangular, ceramic wall and floor tile
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		(ASTM C502-93A)
	3RD PARTY CERTIFICATION	ISO 14001, GREENGUARD
<u>INSTALLATION</u>	INSTALLATION PROCEDURE	http://www.trend-group.com/uploads/sfTinyMceAssets/file/my-tech-us.pdf
	INSTALLATION ADHESIVES	There are plenty of adhesives that are acceptable for glass mosaic installations. First select the adhesive that will work with the local conditions (exterior/interior temperature). Select an adhesive manufacturer that could provide you with a warranty on the installation. Select the proper adhesive based on the substrate.
	UNIT COST	Varies Based on the types.
	LIFE CYCLE ANALYSIS EXTRACTION	By their very nature Trend's products have always been an earth-friendly design element. Simply because they 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	Not expressed
<u>MISC. PROPERTIES</u>	QUALITIES/PROPERTIES OF PRODUCT	Suitable for wall and floor, residential and light commercial and especially for swimming pools. Using mosaic on a commercial floor is not a problem if the installation is done properly, the sub-floor is leveled and you use epoxy adhesive and grout or a polyurethane adhesive if flexibility is needed. Only light commercial.
	MISC. COMMENTS	Available in different color
	CONTRIBUTION TO LEED POINTS	MR 1.3, MR 2, MR 4, MR 5, EQ 4.1, EQ 4.3, and ID 1.1
<u>COMPANY PROFILE</u>	GREEN PHILOSOPHY	"The mission of TREND GROUP is to be one of the world's leading producers of decorative glass, and engineered surfaces. Using advanced technology, our distinct Italian heritage, and imaginative design, we will create inspiring surfaces that enable dreams for beautiful and sustainable environments. Through our commitment to this mission we will provide a responsible future for our company, people, customers and planet." To enable dreams for beautiful and sustainable environments.
	CONTACT	Contact Information: 2700 Biscayne Blvd. Miami, 33137 Phone: 305-593-6072 Toll-free: 866-508-7363
<u>MAINTENANCE</u>	AFTER INSTALLATION	Check this: http://www.trend-group.com/en_US/cleaning-mosaic