

<b>PRODUCT INFORMATION</b>	<b>TYPE OF PRODUCT</b>	Porcelain tile
	<b>COMPANY NAME</b>	Fiandre
	<b>PRODUCT/COLLECTION NAME</b>	Entire product line includes Active, Geostyle, Geologica, Geotechnica, Xtra, and Material Speciali
	<b>DESCRIPTION</b>	Porcelain tiles- ACTIVE- A production methodology which makes possible to create porcelain floor and wall tiles able to carry out a specific antibacterial action and to reduce air pollution in domestic and urban environments. GEOSTYLE Creative Surfaces Fiandre style- The most innovative creations, design, research. Collections that spring from advanced search in trend and technology. GEOLOGICA Innovative Stones- The high tech porcelain tile from Fiandre. Tiles inspired by marbles, stones and granites, suitable for prestigious flooring and walls. The top of the range porcelain tile for architecture. GEOTECNICA High Tech Slabs- Technical ceramic tiles for high performance, wear resistant and easy to maintain. Technical porcelain tile for buildings walls and exterior flooring. XTRA- XtraFiandre: porcelain tiles, furniture and coordinated accessories for the total look of bathroom and living room. MATERIALI SPECIALI- Tile flooring for blind people, high tickness porcelain tiles, floor and wall tiles for swimming pools and wellness zones.
<b>MATERIAL FEEDSTOCK</b>	<b>MATERIAL CONTENT</b>	Fiandre's Legacy of Green is vital to our production of porcelain surfacing products that are and always have been sustainable, green, and environmentally-friendly because they are made with 100% all natural minerals, including: quartz, kaolin, clay, feldspar, silica, and natural coloring agents. All-natural minerals in an environmentally responsible production process. Environmentally-advanced products are used containing non-virgin raw materials.
	<b>RECYCLED CONTENT %</b>	Content for each is listed online: <a href="#">Graniti Fiandre Recyled content/</a> Varies from 42-78%
	<b>RAPIDLY RENEWABLE CONTENT %</b>	n/a
	<b>HARMFUL ADDITIVES</b>	n/a
	<b>HARMFUL EMISSIONS</b>	No, Active actually purifies the air.
	<b>EMISSION STRENGTH OVER TIME</b>	n/a
	<b>TREATMENTS</b>	They are also sustainable because of what isn't there: no sealants, waxes, epoxies, man-made binders, or artificial coloring agents that could add to harmful VOC off-gassing after installation.
<b>MANUFACTURING</b>	<b>MANUFACTURING PROCESS</b>	Fiandre production is a closed-loop process that recycles 100% of raw material and water wastes back into the production cycle.
	<b>HARMFUL EMISSIONS</b>	Fiandre production is a closed-loop process that recycles 100% of raw material and water wastes back into the production cycle. Fiandre polishing factory reclaims residue from the polishing process and the material is fired into a durable ingredient for highway paving. All water from the polishing factory is recycled back into the production line.
	<b>LOCATION OF MANUF. PLANT</b>	Made in Italy and also in Cumberland County, Tennessee
	<b>TESTS/CODES</b>	n/a
	<b>3<sup>RD</sup> PARTY CERTIFICATION</b>	EMAS REGULATION: environmental efficiency standards for industrial activities and presentation of pertinent information to the public; - ISO 9001 NORM: quality system model which evaluates the organization's capability of supplying certain products or services; - ISO 14001 NORM: environmental management system model leading to the formulation of an environmental policy in which targets are established taking into account legal requirements and information on significant environmental impact.
<b>INSTALLATION</b>	<b>INSTALLATION PROCEDURE</b>	Standard tile installation
	<b>INSTALLATION ADHESIVES</b>	Low voc available
	<b>UNIT COST</b>	Varies
	<b>LIFE CYCLE ANALYSIS EXTRACTION</b>	Long life and able to be reused as gravel
	<b>END OF SERVICE LIFE</b>	Our materials are chemically inert making them stable fill for construction sites and for use as ground material in road beds, which reduces the need for quarried gravel.
<b>MISC. PROPERTIES</b>	<b>QUALITIES/PROPERTIES OF</b>	Highly durable- With a hardness rating that is 30% harder than granite

	<b>PRODUCT</b>	and a low porosity rating, our materials are more durable than any other hard surfacing product.
	<b>MISC. COMMENTS</b>	Fiandre's Cumberland County, Tennessee, manufacturing facility is located within 500 miles of major markets for LEED projects. In addition, the factory has been built nearby its major extraction sources for raw materials, which are also within a 500-mile distance to major LEED building markets.
	<b>CONTRIBUTION TO LEED POINTS</b>	<p>Materials &amp; Resources: Credits 5.1 and 5.2 (Regional materials 10% and 20%) Materials from our Tennessee production facility qualify for this credit if used in projects within 500 miles of Cumberland County, Tennessee. Our American manufacturing facility is located within 500 miles of major markets for LEED projects. In addition, the factory has been built nearby its major extraction sources for raw materials, which are also within a 500-mile distance to major LEED building markets. Credit intent: Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.</p> <p>Materials &amp; Resources: Credits 2.1 and 2.2 (Construction wastes management 50% and 75%) Construction wastes may be diverted from disposal in landfills to be recycled/reused in alternative construction materials. Credit intent:: Divert at least 50% of construction, demolition and land-clearing debris from disposal in landfills and incinerators. Redirect recyclable recovered resources back to the manufacturing process. Redirect reusable materials to the appropriate sites.</p> <p>Indoor Environmental Quality: Credit 4.1 (Low-Emitting materials) Porcelain tile installations require proper adhesives, installation setting systems, and grouts that are now manufactured to meet or exceed the requirements of this credit. Therefore, an installed GranitiFiandre porcelain tile system may contribute to the earning of this credit.</p> <p>Additional LEED Credit Potential</p> <p>Other LEED programs such as Schools or Existing Buildings may include IEQ points where using the tile itself could contribute and not just in a system. Our porcelain tile is fired to very high temperatures; therefore, it has no ability to contain or emit VOC's. If information is needed relative to these credits, we will conduct testing as needed (testing will be conducted on a request basis as the requirements and test methods are not always the same within the LEED documents for this type of information). Credit intent: Reduce the quantity of indoor air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of installers and occupants.</p> <p>Our Granitech Ventilated Façade/Rain Screen System can contribute credits to LEED certification in New Construction and Existing Buildings in the areas of Energy Savings, Interior Air Quality, and Innovation in Design.</p>
<b>COMPANY PROFILE</b>	<b>GREEN PHILOSOPHY</b>	Respecting and protecting nature have been an important part of Fiandre's corporate philosophy since our initial startup in 1961, in the town of Castellarano, Italy, before environmental responsibility was mandated. Today, we continue our extraordinary environmental commitment and stewardship at our state-of-the-art production facilities located in Italy, Germany, and the U.S.
	<b>CONTACT</b>	GEOLOGICA BOUTIQUE 8500 Remington Avenue, Pennsauken New Jersey, NJ08110-13, USA Email: usa@granitifandre.it Tel.: 856.661.0890
<b>MAINTENANCE</b>	<b>AFTER INSTALLATION</b>	Stain-resistant surface reduces the need for harsh cleaning agents. Simple maintenance with pH-neutral cleaning products is all that is needed.