Flextile's commitment to a cleaner and more sustainable environment

Flextile Ltd.™

Visit us online at **www.flextile.net** for more information on Felxtile products

Flextile is committed to a Green Building Industry through local production of quality driven, environmentally friendly products. With full manufacturing facilities located in Toronto ON and Burnaby BC, along with one of the largest wholesale distributor networks in North America, Flextile's complete line of ceramic tile & stone and flooring installation systems is readily available for projects across the country. Flextile's commitment to environmentally sensitive products and production methods has been long standing, including initiatives such as:

- An overall corporate commitment to develop and produce products that meet or exceed current and future environmental and performance standards.

- Commitment to using packaging materials containing recycled materials.

- Commitment to internal recycling programs. Flextile reconstitutes much of its production by-products such as dust and tile chips back into new production.

- Primary lines of flooring & ceramic adhesives are SOLVENT FREE or LOW VOC

- FIRST to remove asbestos in the production of commercial vinyl composition floor tile

- Minimal transport involved to projects across Canada due to full manufacturing plants in Ontario and British Columbia, along with a complete line stocking distributorship network.

- Introduction of FLEXFRESH : a revolutionary technology that fights the growth of mildew, fungus and other bacteria causing odors and stains in construction materials. FLEXFRESH is built into select Flextile products during production to provide additional protection from bacteria. Where moisture is constantly present, nothing is 100% immune to mold, but FLEXFRESH assists in providing an added level of defense, by inhibiting bacteria, mold and mildew, thus helping to make surfaces cleaner and fresher.

Flexfresh™

LEED certification program

Flextile Ltd.™

Installation solutions since 1946

LEED (Leadership in Energy and Environmental Design) Green Building Rating System is the accepted standard in Canada (Canada Green Building Council, www.cagbc.org) and in the US (US Green Building Council, www.usgbc.org) for what constitutes a "green building". The LEED Green Building Rating System is an assessment tool quantifying the positive contribution of different sections to the environment and well being of the occupants. LEED accreditation identifies leaders in green building design.

LEED recognizes achievements and promotes expertise in "green" building practices through a comprehensive point-based rating system. Using the system, building owners and architects can measure their success in environmental stewardship. Achieving a LEED certification on your project requires a clear, well defined strategy which is written up-front, checked for compliance, monitored through bid review and finally audited for success. Taking into account all areas where LEED credits can be reached is paramount in obtaining each valuable point.

Flextile's commitment to sustainable environmental solutions begins with a product line consisting of ceramic tile and stone installation systems, vinyl composition tile, and flooring adhesives of which the majority of products contain a high percentage of raw materials which are extracted within 800km (500 miles) of our manufacturing plants located in Toronto, ON and Burnaby, BC, and contain recycled materials (both post-consumer and post-industrial).

Flextile vinyl composition tile (VCT) is comprised of over 80% of limestone which is quarried within 800 km (500 miles) of the manufacturing plant and recycled vinyl material (both post-consumer and post-industrial). Flextile adhesives, mortars and grouts use various raw materials such as limestone, Portland cement and aggregates which are quarried or produced within 800 km (500 miles) of manufacturing plants. The products are low VOC or VOC free, qualifying for additional LEED credits.

We take our role of environmental commitment seriously. That's why Flextile has initiated such "green" practices as biodegradable packaging with recycled content.

Knowing how you can use a variety of Flextile products to earn LEED recognition can help you achieve the highest environmental rating for your next project. It's part of our commitment to "help protect our environment".

FLEXTILE PRODUCTS & LEED REQUIREMENTS

There are three categories under which Flextile products can earn points for a project:

Indoor Environmental Quality, **Purpose**: To establish indoor air quality performance criteria.

- Flooring products and installation products.
- Low (VOC) Emitting Materials, Adhesives and Sealants.

Materials and Resources, **Purpose**: To reduce waste generation, extend and conserve resources.

- Recycled Content
- Local/Regional Materials

Innovation & Design Process, **Purpose**: Innovative design that lead to exceptional building performance.

- Flooring products can contribute to innovation.

LEED REQUIREMENT

Indoor Environmental Quality

4.1 Low-Emitting Materials: Adhesive & Sealants (Potential Points: 1)

Specify low-VOC materials in construction documents. Ensure that VOC limits are clearly stated in each section of the specifications where adhesives and sealants are addressed.

Flextile Products that can contribute to this category:

- Flextile Tile and Stone Mortars, Grouts, & Adhesives
- Flextile Mortar Latex Additives
- Flextile Membrane Systems
- Flextile Floor Covering Adhesives

Material & Resources

4.1 Recycled Content (Potential Points: 1)

Use materials with recycled content such that the sum of the post-consumer recycled content plus one-half of the post-industrial content constitutes at least 5% of the total value of the materials in the project.

Flextile Products that can contribute to this category:

- Flextile Tile and Stone Mortars, Grouts, & Adhesives
- Flextile Leveling Underlayments
- Flextile VCT

4.2 Recycled Content (Potential Points: 1)

Use materials with recycled content such that the sum of the post-consumer recycled content plus one-half of the post-industrial content constitutes at least 10% of the total value of the materials in the project.

Flextile Products that can contribute to this category:

- Flextile Tile and Stone Mortars, Grouts, & Adhesives
- Flextile Leveling Underlayments
- Flextile VCT

5.1 Local/Regional Materials (Potential Points: 1)

Use a minimum of 20% of the building materials and products that are manufactured regionally within a radius of 800 km (500 miles)

Flextile's manufacturing facilities are located within 800 km (500 miles) of major cities in Ontario, Quebec, British Columbia, and North Eastern and North Western United States.

Flextile Products that can contribute to this category:

- Flextile Tile and Stone Mortars, Grouts, & Adhesives
- Flextile Leveling Underlayments
- Flextile VCT

5.2 Local/Regional Materials (Potential Points:1)

Of the regionally manufactured materials documented for Material Credit 5.1, use a minimum of 50% of the building material and products that are extracted, harvested or recovered (as well as manufactured) within 800 km (500 miles) of the project site.

Flextile Products that can contribute to this category:

- Flextile Tile and Stone Mortars, Grouts, & Adhesives
- Flextile Leveling Underlayments
- Flextile VCT

Volatile Organic Content (VOC) of Flextile Products (gm/L)

Surface Preparation	Flextile Patch		0
	WP-980 Waterproof & Crack Isolation Membrane	<	15
	1000 Flexilastic Crack Isolation & Sound Control Membrane		0
	#57 Scratch Coat		0
	4:1 Dry Pack Mortar		0
	#59 Flex Flo Self-Leveling Underlayment		0
	Flextile Fast Set Screed Concentrate		0
Mortars	#53 Standard Grade Floor Mix		0
	#53 Floor Mix		0
	#54 Wall Mix		0
	#51 Floor and Wall Mix		0
	#60 Polymer Modified Thin-Set		0
	#50 Polymer Modified Thin-Set / Medium Bed		0
	#52 Versatile Polymer Modified Thin-Set		0
	#58 Versatile Polymer Modified Fast Set		0
	#58XT Latex Modified Fast Set		0
	#61 Polymer Modified Full Coverage		0
	#62 Polymer Modified Full Coverage Fast Set		0
	#66 FlexLite Lightweight Mortar		0
	Flex Epoxy 100 Mortar	<	20
Mortar Additives	#41 Mortar Additive		0
	#43 Acrylic Additive		0
	#44 High Solids Acrylic Additive		0
Ceramic Adhesives	#210 Type 1 Contract Grade Adhesive	<	22
	#200 Type 1 Ceramic Tile Adhesive	<	22
	#92 Type 1 Ceramic Tile Adhesive	<	35
	#90 Type 1 Marble and Natural Stone Adhesive		0
Grouts	500 Series Polymer Modified Unsanded Grout		0
	600 Series Polymer Modified Sanded Grout		0
	Quarry Grade Sanded Grout		0
	Flex Epoxy 100 Grout	<	20
	Grout Refinisher	<	5
	Tile & Grout Caulk		0
Commercial Vinyl Tile & Flooring Adhesives	Flextech 700		0
	Flextech 770		0
	Flextech 710	<	15
	Flextile 38	<	15
	Flextile 310		0
	Flextile 1251V	<	33
	Flextech 300		0
	Commercial Vinyl Tile		0