

Environmental Information

Mercury Mosaics is a US-based, ceramic tile manufacturing company established in 2002. All tile is fabricated in our Minneapolis, Minnesota headquarters with clay that is manufactured in Plymouth, MN. We take pride in producing creative and durable building materials with minimal impact on our environment.

OUR PROCESS

The process begins in our factory's tile making department. Clay is regionally sourced from mines in the Kentucky-Tennessee, Missouri & Indiana regions. All tiles are cut on site to specifications. Unused clay scraps get recycled and made into new tiles.

Once the tile is dry, it is bisque-fired in our kilns. Both physical and chemical water is driven out of the clay, and organic residue burns out.

Next, our glazing department adds color to the bisque tiles. Each glaze applied to our tiles is 100% lead-free.

Tile is fired at very high temperatures, usually in excess of 2,000°F. At such high temperatures, any organics that might be present in clays or binders are completely burned away. As a result, the final product is inert and has no VOCs that can be emitted.

Due to its VOC-free nature, ceramic and porcelain tile products are exempt from all testing criteria specified by LEED® IEQ Credit 4.3 in all relevant 2009 Building Design and Construction (BD+C) and Interior Design and Construction (ID+C) Rating Systems. These exemptions were first introduced in the document addenda issued by USGBC in April, 2010. All addenda stated, "Mineral-based finished flooring products such as tile, masonry, terrazzo, and cut stone without integral organic-based coatings and sealants ... qualify for credit without any IAQ testing requirements."

In our post-kiln firing inspections, any tile that does not pass quality-standards will be recycled into

four main sectors:

Align Wall Art with Room & Board

Small batch tile runs

Mosaic Candy Shop kits

Custom mural repurposing program

In summary, Tile is a durable, non-toxic, recyclable finish that contributes to healthy interior spaces and minimizes long-term impacts on the natural environment. Tile can contribute points toward the overall score for Leadership in Energy and Environmental Design (LEED) certification for a building.