

ARTAIC MOSAICS CONTRIBUTE TO LEED CERTIFICATION



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LEED 2009 for **Commercial Interiors**

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System is the nationally accepted benchmark for green design and construction. Artaic strives to aid in the LEED objectives of a whole-building approach to sustainability by simultaneously increasing visual impact and minimizing environmental impact.



Energy and Atmosphere

EA 1.1 – Optimize Energy Performance **1 point possible**

Artaic's innovative backlight mosaics use a low energy LED lighting solution that are 80% more efficient than incandescent and HID lights. Some mosaic tiles also store thermal energy to stabilize temperature swings, and can be used as an insulator.

Materials & Resources

MR 2 – Construction Waste Management **2 points possible**

Artaic creates custom site-specific mosaics to fit precisely to a specific location; therefore there is no wasted tile after installation.

MR 3.1 – Materials Reuse **2 points possible**

Artaic is able to utilize any tile on the market, which consists of a wide range of recycled tile material, including 100% post-consumer recycled glass tile. With a wide range of sustainable options, ranging from recovered scraps of stone, porcelain, and glass, Artaic may be able to incorporate materials previously on site into a sustainable mosaic design.

MR 4 – Recycled Content **2 points possible**

Artaic mosaics allow for excellent integration of 100% recycled glass tile into new buildings and renovations. One point can be attained for the inclusion of 10% recycled content and two points for 20% of the total value of the building materials. A large-scale recycled glass mosaic would significantly contribute to the needed percentage.

MR 5 – Regional Materials **2 points possible**

Artaic can utilize any tile manufactured in a custom mosaic project, much of which is sourced locally. Artaic is located in Boston Massachusetts, within the required 500-mile radius of nearly all projects located in the northeast United States.

Indoor Environmental Quality

EQ 4.1 & 4.3 – Low-Emitting Materials **2 points possible**

Artaic mosaics use tile that contain no Volatile Organic Compounds (VOC's), and can be installed using certified low VOC adhesives and grouts that are well below the LEED specified limit.

Innovation & Design Process

ID 1 - Innovation in Design **4 points possible**

The intent of the Innovation in Design Credit is to provide projects the chance to be rewarded for exceptional performance above the requirements set by the LEED and innovative performance in green building categories not addressed by the LEED Rating System. Artaic mosaics represent a revolutionary source of technology that is both aesthetically advanced as well as environmentally progressive.

ID 2 – LEED Accredited Professional **1 point possible**

Artaic's team includes members trained in LEED design practices who are currently pursuing official LEED accreditation. They are available for on site supervision to support and encourage responsible design through Artaic's sustainability practices.