

Appendix A: LEED for New Construction

Leadership in Energy and Environmental Design



MonierLifetile

Changing the way people think about roofs.

LEED for New Construction and Major Renovations Version 2.2
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The information below relates to Leadership in Energy and Environmental Design (LEED) for New Construction and Major Renovations Version 2.2 © United States Green Build Council (USGBC) 2005. MonierLifetile potentially contributes to LEED project certification points.

| MonierLifetile's Lifecycle | MonierLifetile Concrete RoofTile | LEED for NC Requirements | LEED Category | Max. Category Points |
|---|---|---|---|----------------------|
| Raw Material | | | | |
| <i>Generating premium construction material from nature's close-to-home ground resources.</i> | MLT increases demand for environmentally preferable products through extracting, processing, and manufacturing sustainable concrete tile in regions across the nation. Tile components used are: sand, water, cement and pigment. | 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. | Material Resources 5.1: Regional Materials (MR 5.1) | 1 |
| Product/Solution/System | | | | |
| <i>Saving through innovation. (Economic Innovation)</i> | Select MLT roof tiles may meet or exceed solar indexes of 29, greatly reducing air conditioning needs. | Reduce heat islands (thermal gradient differences between developed and undeveloped areas) to minimize impact on microclimate and human and wildlife habitat. | Sustainable Sites 7.2: Heat Island Effect (SS 7.2) | 1 |
| Recycling Life | | | | |
| <i>Concrete is recyclable.</i> | MLT recycles scrap tile. Through crushing followed by sifting, the filtered concrete tile content is redistributed and recycled in manufacturing to increase waste diversion and environmental impacts. | Increase demand for building product that incorporates recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials. | Material Resources 4.1: Recycled Content (MR 4.1) | 1 |
| Responsible Installation | | | | |
| <i>Protecting businesses by partnering with the environment.</i> | MLT packages tiles on wooden pallets that are recycled and reused. | Conserve existing natural areas and restore damaged areas to provide habitat and remote biodiversity. | Sustainable Sites 5.1: Site Development (SS 5.1) | 1 |
| Waste Management | | | | |
| <i>Partnering with the community to distribute the life and influence of concrete.</i> | MLT prides itself in manufacturing quality concrete invaluable for re-use in regional construction fill needs or community landscaping designs. | Divert 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 appropriate sites. | Material Resources 2.1: Construction Waste Management (MR 2.1) | 1 |

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| Total Maximum Points Achievable for using MonierLifetile products or systems: | 5 |
| % of Certification Requirements: | 19% |



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