

# LEED V2009

Quarrix Lightweight Composite Roof Tile can make a valuable contribution to the Leadership in Energy and Environmental Design (LEED) Certification Process, which encourages global adoption of sustainable building and development practices.

## **MR Credit 2 Construction Waste Management**

Divert 50% from landfill – 1 pt  
Divert 75% from landfill – 2 pts.  
Examples: If the existing Quarrix Composite Tiles are removed, they can be reused. Virtually no breakage compared with natural or concrete tile.

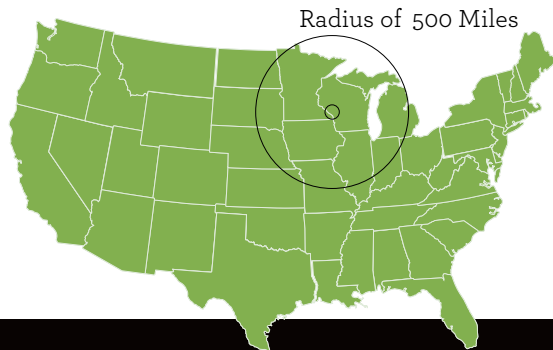
## **MR Credit 3 Materials Reuse**

Reuse 5% of materials – 1 pt.  
Reuse 10% of materials – 2 pts.  
Example: If the existing Quarrix Composite Tiles are removed, they can be reused.

## **MR Credit 5 Regional Materials**

Based on cost of qualifying local materials as a percentage of over all material cost. Regional materials are those that are extracted, harvested, or recovered, as well as manufactured, within 500 miles of the project site.

Use 10% regional materials – 1 pt.  
Use 20% regional materials – 2 pts.



## **ID Credit 1 Innovation in Design**

ID Credit: 1-5 pts.  
Quarrix Composite tile weighs 70% less than clay or concrete tile: More product delivered per truckload means fewer trucks. No special roof reinforcement necessary means less structural materials are required.

## **EA Credit 1 Optimize Energy Performance**

EA Credit: 1-19 pts.  
Example: The Energy Saving Roof combines the insulating properties of Quarrix Double Roman Composite Tile which allows for ventilation between the tile and roof deck. The result is less heat transfer, reducing energy consumption. Research studies have shown an almost 50% reduction of heat transfer compared to a direct-to-deck asphalt roof.

## **WE Credit 1 Water Efficient Landscaping**

WEc1 Credit: 1-4 pts.  
Example: Quarrix Composite Tile works well with captured rainwater systems for reduction or elimination of use of potable water for irrigation. \*NOTE: Quarrix Composite Tile may contribute to these points, but alone will not satisfy the requirement.