



MASON'S MARK

STONE VENEER CORPORATION

"Our Mark is High Quality"

Mason's Mark Stone Veneer & The "Green Building" System

According to the US Green Building Council (USGBC) website, "LEED (Leadership in Energy and Environmental Design) is the most widely used green building rating system in the world. Available for virtually all building project types, from new construction to interior fit-outs and operation & maintenance, LEED provides a framework that project teams can apply to create healthy, highly efficient, and cost-saving green buildings. LEED certification is a globally recognized symbol of sustainability achievement."

Basically, LEED is just a point system that awards buildings for being more energy efficient or "green". The LEED system recognizes four levels of achievement that can be met based on the number of points earned.



The use of Masons Mark Stone Veneer in building design can contribute to obtaining points towards LEED certification. A building becomes certified after receiving a minimum of 40 points from the USGBC.

Sustainable Site Points: 1 Potential Point

Developing in an urban lot instead of an undeveloped rural area can earn the project one point towards certification. Because manufactured stone veneers are relatively small in size and the weight does not require large equipment for delivery, staging or installation, this enables builders to take advantage of these small urban lots, where access and space are often limited.

Energy and Atmosphere Points: 2 Potential Points

Points are awarded to encourage improved energy efficiency above the baseline prerequisites (ASHRAE 90.1 – 2004, ref. 3) of the LEED system. Energy savings attributable to thermal mass and lightweight concrete density construction contribute to this goal when used in conjunction with passive solar heating and/or ventilation cooling.



Masons Mark products provide a very effective thermal storage capability ensuring the reduction of heating and cooling loads which provide an overall increased energy efficiency. Since all savings attributable to the buildings thermal envelope are cumulative, and so are added to savings from high efficiency HVAC, heat recovery equipment, day lighting, and other efficiency savings. All incremental improvements contribute toward project certification. Furthermore, occupant comfort is also improved by moderating indoor temperature swings and shifting peak heating and cooling loads to off-peak hours. Up to ten points can be awarded for energy cost savings of 10.5% to 42% for new buildings and 3.5% to 35% for existing buildings.

Materials & Resources: 8 Potential Points

Building reuse points are awarded for conserving resources and reducing waste when developers maintain the majority of an existing structure during renovating projects. Since stone veneer is an exceptionally durable material and has a life cycle longer than many other building products, it provides the opportunity to refurbish the building should its use or function change. One point is awarded if 75% of the existing building structure is left in place and 2 points if 95% is left in place. Measurements are based on square footages of walls, ceilings, and floors.

Construction waste management points encourage the recycling or salvaging at least 50% of construction waste. Measurements are made either by weight or volume. Stone veneer can be fully recycled into aggregate for concrete products, pipe bedding, or even construction fill. It is natural, non-toxic and a 100% environmentally friendly material.



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These points are awarded when buildings with stone veneer are demolished or when saw-cut scraps and broken pieces are crushed and reused. One point is awarded if 50% (two points for 75%) of the construction, demolition and land clearing waste are either recycled or salvaged.

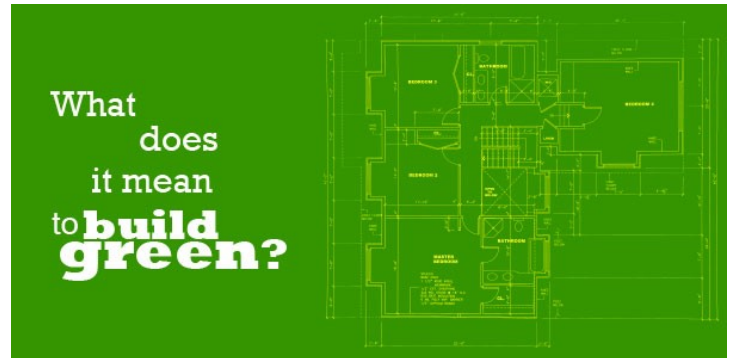
A material reuse point is awarded for the reuse of salvaged materials on the project and it awards one point if the value of all reused materials is at least 5% of the total value of materials on the project. An additional point is awarded at the 10% threshold. (Note that the same materials cannot be claimed for both the construction waste management credit and the materials reuse credit.)

One or two Recycled Content points are awarded when the use of building products with recycled content are used. The requirements of these points state: “use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10% of the total value of materials on the project.” If the total constitutes at least 20% it will earn 2 points.



GREY TO GREEN

A Regional Materials point encourages using materials and products that are extracted and manufactured within the region support the use of indigenous resources and thereby reduce environmental impacts of transportation. The LEED requirement is for a minimum of 10% of building materials be extracted, processed & manufactured within a radius of 500 miles on a cost basis. The credit is worth 1



point. An additional 1 point is earned if 20% of the regionally manufactured materials are extracted, harvested or recovered within 500 miles.

Innovation and Design Process: 4 Potential Points

The intent of these points are to provide design teams with an incentive to go beyond the LEED requirements and award points for innovative strategies not specifically addressed in the LEED rating system. Examples that may qualify are: substantially exceeding the building energy performance criteria, or including characteristics not directly referenced by LEED, such as acoustic performance and life cycle analysis of materials used. To earn up to 4 points the design team must submit the intent of the awarded points; the proposed requirements for compliance; submittals to demonstrate that compliance; and the design approach used to meet the requirements.

Indoor Environmental Quality: 1 Potential Points

Masons Mark Stone Veneer products contribute to the improvement in indoor air quality by eliminating the need to paint or seal the product. This reduces volatile organic compounds (VOC's) that can be released into indoor air. Further improvements to indoor air quality are made due to the breathable nature of our veneer products which reduces potential for mold growth.

