

Glasswool to LEED Rating

LEED Credits Available	Glasswool Contribution
1-10 points depending on percent reduction in energy used.	Helps to reduce building energy consumption by 20 to 30%.
1-2 points depending on post consumer, post industrial recycled content.	in house scrap wool is being recycled.
1-2 points depending on whether 20% of total building material is locally manufactured (within 800 KM radius).	Two manufacturing units in help
1-4 points depending on the	Acoustic benefit in

For detailed evaluation please consult a LEED Accredited professional.

LEED India NC and ECBC, 2007

Requires compliance with the Energy Conservation Building Code

How Glasswool can be applied with other green building materials

Use Building and Daytime Use Building

Specified U Value (W/sq.m.k)	Recommended Insulation with 150mm Thick AAC Block
0.44	System Thickness 200mm GW 24kg/m ³ X 50mm: R-1.51 AAC X 150mm: R-0.94 U-0.41

Lower U values means better thermal insulation.

Thermal Insulation for Green Buildings

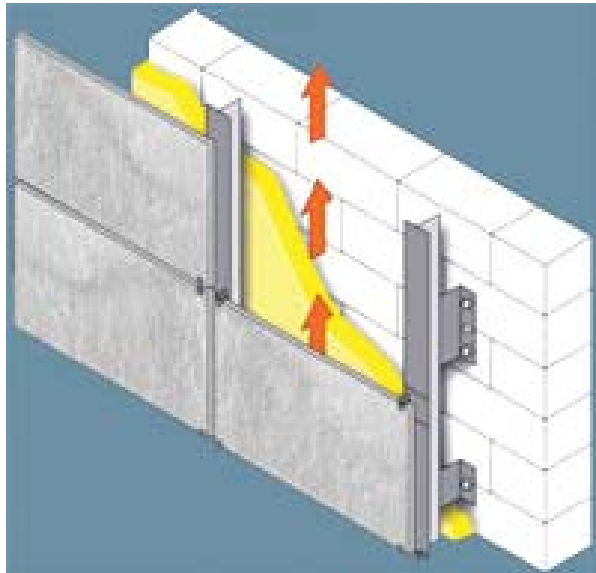


- Reduces Energy Consumption by up to 30%
- Zero Ozone Depleting Potential
- Minimum VOC
- Excellent Fire Properties

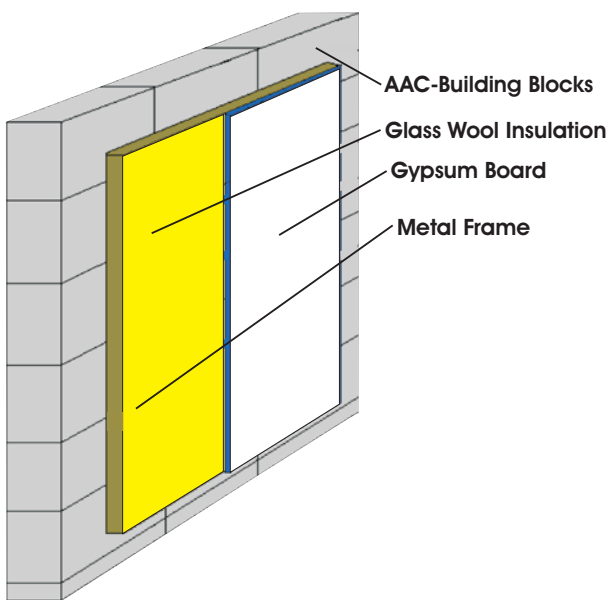
on to Glasswool Insulation

of the most widely
 world-wide because of
 acoustic insulation
 tensile strength and
 wool is the most
 used in applications
 between -50°C to
 the market size of

sts of fine, long,
 together by a high
 e fibers (each of
 ron diameter) are
 trap millions of tiny
 thereby creating its
 acoustic insulation
 at gold in colour and
 nd resilience makes
 ions in which there
 h compression. The
 y of Glasswool also
 s during transport
 on Glasswool is



External Wall Insulation (Ventilated Facade)



Internal Wall Insulation

Glasswool - A Green Building

The use of Glasswool for the thermal insulation of external
 shown to reduce energy consumption by 20% to 30%. Glasswool is
 widely available and renewable raw materials and provides energy
 of resource saving and energy saving in every stage from pre-

Product Life Cycle	Analysis / Review
Pre-manufacturing	<ul style="list-style-type: none"> Primary raw material: Sand, which is available in nature. No raw material comes from any other source. Secondary raw material is recycled.
Manufacturing	<ul style="list-style-type: none"> Energy saving vs. energy used: The comparison of Glasswool products shows that the energy use of products may be around 70% of the energy used in their production. In house glass wool scrap is recycled.
Distribution and transportation Packaging without affecting the specified thickness required at the time of application.	<ul style="list-style-type: none"> Compressed vacuum packaging in glass wool products. Less packaging means less scrap.
Product Characteristics	<ul style="list-style-type: none"> Less requirement of transportation. High thermal resistance. Non combustible and fire safe material. Non corrosive. No impurities, no shot content, no dust. No settling. Totally inert. Resistant to mold / fungal growth.
Use, Re-use and Maintenance	<ul style="list-style-type: none"> No maintenance required. Can be reused. High life expectancy.