



Your Insulation Partner for Green Buildings

Rockwool India Ltd. is a member of the Indian Green Building Council and supports LEED programs. Rockwool India insulation products improve building energy efficiency and thus reduce building energy consumption. As a result, our products help in conservation of nonrenewable energy source, decrease dependence on fossil fuel, lower greenhouse gas emissions and thus contribute towards low carbon-di-oxide emission. In addition, the recycled content in Rockwool India insulation products meet the EPA Recovered Material Guideline for Rock wool products, consisting of 20 - 25% Blast Furnace Slag. Our major building application areas include roofs, ceiling, walls, flooring, sandwich panel and HVAC. Leadership in Energy & Environmental Design (LEED) provides an international benchmark for design, construction and operation of high-performance sustainable buildings.

In order to get LEED certified, the building must meet certain prerequisites and credit requirements to qualify for rating points. There are a maximum of 100 points available in five environmental categories and maximum of 10 points for additional two categories, Innovation in Design and Regional Priority totaling to 110 points. LEED certifies the buildings as one of four levels depending on the total number of points the building has achieved.

CATEGORY	POINTS
Sustainable Sites	26
Water Efficiency	10
Energy & Atmosphere	35
Material & Resources	14
Indoor Environmental Quality	15
Innovation in Design	06
Regional Priority	04
Total Available	110

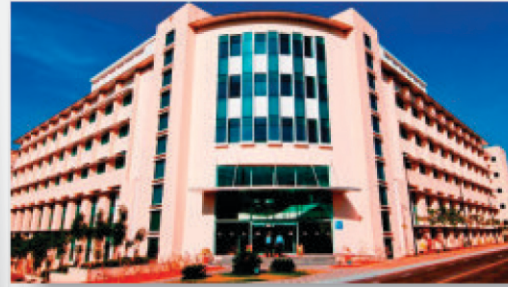
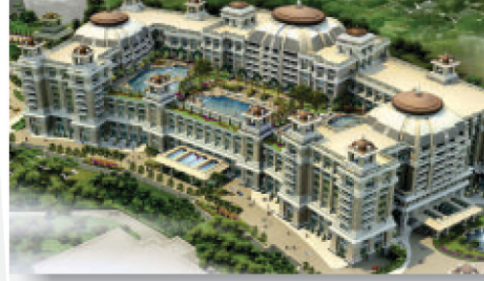
The higher the certification level, the more efficient and sustainable the building will be.

CERTIFICATION LEVELS	POINTS
Certified	40-49
Silver	50- 59
Gold	60- 79
Platinum	80+

It would be worthwhile to mention here that individual products used in construction of a building are not LEED Certified, but these contribute to the overall LEED points obtained for a given building.



Rockwool India Limited



Category	LEED Requirement	Possible Points	Rockwool
Energy and Atmosphere (EA) -Prerequisite 2: Minimum Energy Performance -Credit 1: Optimize energy Performances	<p>10% improvement in building performance for new buildings, or a 5% improvement for major renovations to existing buildings, with the baseline building performance rating calculated according to Appendix G of ANSI/ASHRAE/IESNA standard 90.1-2007 for whole building simulation</p> <p>Demonstrate a percentage improvement in the proposed building performance rating compared with the baseline building performance rating. Calculating the baseline building performance according to Appendix G of ANSI / ASHRAE / IESNA Standard 90.1-2007 for the whole building project</p>	<p>Required</p> <p>1-19</p>	<p>Rockinsul and Tuffinsul products help in reducing the energy requirement for building heating and cool. It offers excellent Thermal properties</p> <p>Rockinsul and Tuffinsul Rockwool products help reduce the energy requirement. The overall contribution depends on the insulation R-value, the U- value of the construction assembly, the assembly design and installation procedures.</p>
Material and Resources (MR) -Credit 4: Recycle content -Credit 5: Regional / local manufacturing	<p>Use materials with recycled content 20 such that the sum of postconsumer 21 recycled content plus 1/2 of the preconsumer 22 content constitutes at least 10% (for 1 point) or 20% (for 2 points), based on cost, of the total value of the materials in the project.</p> <p>Materials or products that have to be extracted, harvested or recovered, as well as manufactured, within 400 kilometers of the project site for a minimum of 10% (1Point) or 20% (2Point), based on cost, of the total materials value.</p>	<p>1-2</p> <p>1-2</p>	<p>Rockwool India products (Rockinsul and Tuffinsul) contains almost 30% of post consumer recycled content & almost 15% of Post Industrial Waste.</p> <p>Rockwool India has two manufacturing plants one in Hyderabad and another Silvassa. Depending upon ship to address, the product will be delivered to customer in the shorted travel time.</p>
Indoor Environmental Quality (IEQ) -Credit 7.1: Thermal Comfort design	<p>Design heating, ventilating and air conditioning (HVAC) systems and the building envelope to meet the requirements of ASHRAE Standard 55-2004, Thermal Comfort Conditions for Human Occupancy</p>	<p>1</p>	<p>Rockinsul and Tuffinsul offer excellent thermal property. Good Insulation in the building envelope can contribute by helping maintain thermal comfort and humidity within comfort ranges.</p>
Innovative and Design (ID) -Credit 1: Innovation in Design	<p>Credit can be achieved through any combination of the Innovation in Design and Exemplary Performance</p>	<p>1- 4</p>	<p>Rockwool India's Rockinsul and Tuffinsul products can contribute to innovation credits for acoustical performance, or with innovative new products</p>

