

## Rockfon® LEED

How green can a building claim to be if it does not deliver optimal conditions to learn, work or heal? Rockfon acoustic ceilings will add positively to the sustainability of your building with low contributions to the overall environmental burden, while contributing positively to a healthy indoor environment with low product emissions and high-end acoustic solutions.



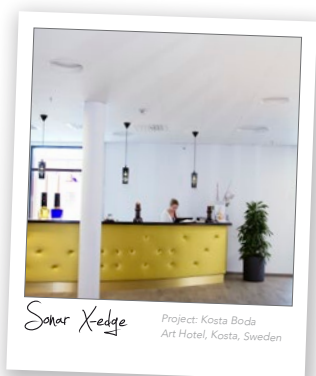
# LEED requirements vary according to the use of the buildings.

In the following we have tried to show some of the criteria for achieving LEED points and how Rockfon acoustic solutions can facilitate.

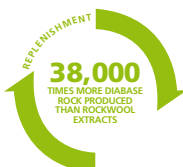
**The points have been compiled from the following documents:**

- LEED 2009 for New Constructions and Major renovations (NC)
- LEED 2009 for Schools - New Constructions and Major renovations (Schools)
- LEED 2009 for Core and Shell Development (CSD)
- LEED 2009 for Commercial Interiors (CI)

LEED Category & Credits	Rockfon Contribution	Available Points
<b>Energy &amp; Atmosphere</b>		
<p><b>EA Credit 1</b></p> <p>Optimize Energy Performance (in addition to the prerequisites standard for reducing excessive energy use)</p>	<p>Energy consumption during use is one of the most important factors defining the environmental characteristics of a building. No matter how innovative a solution you choose to save energy, Rockfon will have a suitable solution for you. E.g Thermal mass concepts can utilise Rockfon island solutions or baffles securing both acoustic comfort and free movement of air between the room and the ceiling.</p>	<p><b>NC and Schools:</b> 1 - 19 Point(s)</p> <p><b>CSD:</b> 3-21 Point(s) depending upon energy saved and option chosen</p>
<b>Materials &amp; Resources</b>		
<p><b>MR Credit 1.2</b></p> <p>Building Reuse – non structural elements</p>	<p>Rockfon products are dimensionally stable and sag resistant. When removed undamaged, our products may be reused and recycled for other projects.</p>	<p><b>NC and Schools:</b> 1 Point for 50% reuse</p> <p><b>CI:</b> 1 Point for 40% reuse 2 Points for 60% reuse</p>
<p><b>MR Credit 2</b></p> <p>Construction Waste Management Diverting waste from landfill</p>	<p>Rockfon products are dimensionally stable and sag resistant. When removed undamaged, our products may be reused for other projects. Rockfon products can also be recycled into new ceiling or insulation products. Contact your local Rockfon sales department for more information. Using our Rockfon quantity calculator secures minimal construction waste.</p>	<p><b>All:</b> 1 Point for 50% diverted 2 Points for 75% diverted</p>
<p><b>MR Credit 4</b></p> <p>Recycled Content</p>	<p>Rockfon products consist primarily of stone wool containing basalt rock and recycled materials. Depending on the product, the recycled content will vary from 32-42% calculated according to ISO 24021.</p>	<p><b>All:</b> 1 Point for 10% recycled content 2 Points for 20% recycled content</p>



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<b>Materials &amp; Resources</b>		
<p><b>MR Credit 5.1</b> Regional Materials From a radius of 500 miles of the project site.</p>	<p>More than 90% of the raw materials used are manufactured less than 500 miles from the plant. Rockfon has 3 strategically located plants – in central France (Saint Eloy les Mines), Holland (Roermond close to both Germany and Belgium) and western Poland (Cigacice, 3 hours from Berlin) – all are near highly populated areas and in close proximity to major transportation routes. Project site distances would have to be calculated for eligible points.</p>	<p><b>NC, CSD and Schools:</b> 1 Point for 10% 2 Points for 20% of total materials value extracted, processed and manufactured regionally</p> <p><b>CI:</b> 1 Point for 20% of total materials value manufactured regionally 2 Points for 10% of total materials value extracted and manufactured regionally</p>
<b>Indoor Environmental Quality</b>		
<p><b>IEQ Prerequisite 3</b> Minimum Acoustical Performance</p>	<p>Rockfon acoustic ceiling tiles guarantee superior acoustic performance. Please contact your local sales team for specific calculations.</p>	<p><b>Schools:</b> -</p>
<p><b>IEQ Credit 3.1</b> Construction Indoor Air Quality (IAQ) Management Plan - During Construction</p>	<p>Guidelines for IAQ during installation printed on all Rockfon packaging.</p>	<p><b>All:</b> 1 Point</p>
<p><b>IEQ Credit 3.2</b> Construction IAQ Management Plan – Before Occupancy</p>	<p>Fully ventilated and furnished rooms with Rockfon suspended ceilings will normally fulfil the maximum concentration criteria set out by LEED. Use of high Formaldehyde emitting products eg. Certain types of wood based panels, will increase Formaldehyde levels.</p>	<p><b>All:</b> 1 Point</p>
<p><b>IEQ Credit 4.6</b> Low-Emitting materials Ceiling and Wall Systems</p>	<p>Rockfon tiles are documented to fulfil M1 indoor air requirements.</p>	<p><b>Schools:</b> 1 Point</p>
<p><b>IEQ Credit 9</b> Enhanced Acoustical Performance</p>	<p>Specific Rockfon solutions can facilitate better teacher-to-student and student-to-student communications by improved sound insulation.</p>	<p><b>Schools:</b> 1 Point</p>
<b>Innovation in Design Process</b>		
<p><b>ID Credit 1</b> Innovation in Design</p>	<p>Rockfon products provide superior acoustical performance supporting the health and ability to work of the everyday users. Naturally resistant to the growth of mould, fungi, and bacteria; Naturally sag resistant. Most Rockfon products are rated incombustible, A1.</p>	<p><b>NC, CSD, CI:</b> 1-5 Point(s)</p> <p><b>Schools:</b> 1-4 Point(s)</p>



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