

There are three categories from which to earn LEED points.

**Materials and Resources** specifies from where the materials are obtained, from how far away, and whether they are made of rapidly renewable resources.

PaperStone qualifies under **Indoor Environmental Quality** as it does not emit VOC's or formaldehyde.

**Innovation and Design Process** is also an area in which PaperStone may qualify for a LEED point.

**Certified Wood Materials:** LEED V2.1 awards 1 point if a minimum of 50% of wood based materials certified in accordance with FSC Guidelines. This contributes to Credit 7.0 of the "Materials & Resources" area.

**Low Emitting Materials:** LEED V2.1 awards 1 point (Credit 4.1 of "Indoor Environmental Quality" area) if the VOC content of adhesives is less than the current limit specified in SCAQMD Rule #1168, and 1 point (Credit EQ 4.4) if the engineered wood and agri-fiber products contain no added urea-formaldehyde resins.

## ENVIRONMENTAL IMPACT STATISTICS

A 1" by 60" by 144" slab of PaperStone Certified (versus a regular phenolic composite manufactured from virgin fiber and a regular, commercially available, solvent-based resin) saves:

- 1233 gallons of water
- 2.03 million BTU's of energy
- 131 pounds of solid waste
- 254 pounds of greenhouse gases
- 55 pounds of petroleum-based phenol
- 22 pounds of natural gas-based methanol

Original PaperStone, with a 50% post-consumer recycled content product (versus 100% for PaperStone Certified), saves a similar amount of phenol, methanol and 50% of the water, energy, solid waste and greenhouse gases listed above.

*Data is obtained by using an EPA energy uselsavings calculator.*

*A version of the calculator and user guides are available from the Internet at:*

*<http://yosemite.epa.gov/oar/globalwarming.nsf/content/ActionsWasteToolsRecon.html>*

