



August, 2009

**CURRIES has obtained the following information from the various websites referenced in this document.**

The Leadership in Energy & Environmental Design (LEED®) Green Building Rating System represents the U.S. Green Building Council's (USGBC) efforts to provide a national standard rating system for a "green building". The rating system document has a LEED Letter Template to be filled in for the project. After the template has been completed and submitted, the project can obtain "points" for each compliance area. The areas are:

**LEED 2009 (NC3.0)**

1. **Sustainable Sites** – (26 points) for exterior design, landscape and transportation.
2. **Water Efficiency** – (10 points) for both landscape and water use.
3. **Energy & Atmosphere** – (35 points) for renewable energy and HVAC systems.
4. **Materials & Resources** – (14 points) for reuse of existing building, construction waste, recycled content material use, and local material use.
5. **Indoor Environmental Quality** – (15 points) for air quality monitoring, low-emitting material use, and day lighting use.
6. **Innovation and Design Process** – (6 points)
7. **Regional Priorities** – (4 points)

A possible 110 points may be obtained from the above areas with four levels of certification. A certified project has a range of 40-49 points. The next level of certification is Silver with 50-59 points on the project. A Gold certification requires a range of 60-79 points, and a project with 80 or more points will receive a Platinum rating.

CURRIES use of recycled material is located in Section 4, Materials and Resources, and will contribute towards the 2 points possible for the credit in this section.

**Currently under LEED 2009 (NC3.0) the goal reads:**

MR Credit 4.1 (1 point) - "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% (based on cost) of the total value of the materials in the project".

"The recycled content value of a material assembly shall be determined by weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value".

MR Credit 4.2 (1 point) – "Use material with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes an additional 10% beyond MR Credit 4.1 (total of 20%,based on cost) of the total value of the materials in the project".

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For steel frames, which are only steel and paint, we have up to 35.4% post-consumer and 7.4% pre-consumer recycled content in the material. So the post-consumer recycled content of 35.4% + (1/2 x 7.4% pre-consumer) = 39.1%. The project manager has to place the value on the material.

For doors it is more complicated. As an example, a 3'0" x 7'0", Series 707 door, with 18 gauge skins, would have an average weight of 104 pounds. The steel constitutes 101 pounds of the door, and the core, glue, and paint would constitute about 3 pounds. With the steel consisting up to 39.1% of recycled content, the assembly recycled content is 37.09%. The percentage for 747 doors is 39.1%.

CURRIES offers their customers an estimate of the recycled content for the product. The product is only part of the recycled material needed for the point obtained toward LEED certification. The building project manager will have to fill out the LEED Letter Template for every project. They have to include **ALL** materials used in the project to receive the one or 2 points available for materials recycled content.

Should a CURRIES customer require additional documentation, (other than the letter herewith), we will require further job specification information. This information would include the job name, location, type of frames and quantity, types and sizes of doors and quantity, and the specification requirements which have been specified by the Architect for this particular job.

For information on LEED go to:  
<http://www.usgbc.org>

For information on steel recycling go to:  
<http://www.recycle-steel.org/leed.html>

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