



Product Specification and Submittal Form

STEELER INC. LEED®s THE WAY

The U.S. Green Building Council Leadership in Energy & Environmental Design (LEED®) rating system aims to improve occupant well-being, environmental performance and economic returns of buildings using established and innovative practices, standards, and technologies.

Materials & Resources Credit 4: Recycled Content intends to increase demand for building products that incorporate recycled content materials, therefore reducing impacts resulting from extraction and processing of new virgin materials.

The following references Green Building Rating System For New Construction & Major Renovations, Version 2.2, dated October 2005.

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."

Credit 4.2 (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 20% (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."

Steel Recycled Content Value = (Value of Steel Products) x (Post-Consumer%+1/2 Pre-Consumer %)

Post-consumer scrap accounts for approximately 25.6%

Pre-consumer scrap accounts for approximately 6.8%

The post-consumer and pre-consumer percent's shown above are default values as determined by the Steel Recycling Institute (SRI). For additional information see Steel Recycling Institute's website at www.recycle-steel.org.

Example Calculations for BOF Steel Recycled Content Value for Typical Product:

Value = (\$10,000⁽¹⁾) x (25.6% + 1/2 x 6.8%) = \$10,000 x 29.00% = \$2,900 dollars

Credit 4.1: Value exceeds 10% x \$10,000 = \$1000. < \$2,900 therefore **Credit 1 point**

Credit 4.2: Value exceeds 20% x \$10,000 = \$2000. < \$2,900 therefore **Credit 1 point**

Note: Item marked with (1) in the above example are the steel material costs for the Project. This is determined by either by STEELER's customer, the Contractor, or Project Architect.