

LEED® Materials & Resources Credit



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 2009.

MR Credit 4

“Use materials with recycled content such that the sum of postconsumer recycled content plus 1/2 of the preconsumer content constitutes at least 10% or 20%, based on cost, of the total value of the materials in the project. The minimum percentage materials recycled for each point threshold is as follows:”

<u>Recycled Content</u>	<u>Points</u>
10%	1
20%	2

“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.”

Recycled Content Value = (Value of Steel Products) x (Postconsumer%+1/2 Preconsumer%)

Steeler Postconsumer scrap accounts for approximately 26% by weight

Steeler Preconsumer scrap accounts for approximately 7% by weight

Example Calculations for Steeler Steel Recycled Content Value for Cold-Formed Steel:

Value = (\$10,000) x (26% + 1/2 x 7%) = \$10,000 x 29.5% = \$2,950

Value exceeds 20% x \$10,000 = \$2000 < \$2,950 therefore product contributes to **2 points**

Note: \$10,000 is the example cost of cold-formed steel on the project. The cold-formed steel material cost and total project material cost for a project is determined either by STEELER’s customer, the Contractor, or Project Architect.