

ACI Building Systems Structural Framing can be used to earn LEED® NC and LEED® BD&C credits MR 4.1 and MR 4.2 for recycled content.

Note: LEED NC 2.2 and LEED BD&C 3.0 are the same for both programs. LEED NC 2.2 applies to buildings that have applied for LEED Certification prior to April 2009. Consult the USGBC regarding which program is applicable for your building project.

<p>ACI BUILDING SYSTEMS STRUCTURAL FRAMING ROOF AND WALL PANELS</p>	<p>Percentages shown must be applied to the total cost of the building package supplied by ACI Building Systems.</p>																			
<p>LEED MR 4.1 (1 Point) 10% recycled content (post-consumer + one half of the pre-consumer)</p>	<table border="1"> <thead> <tr> <th data-bbox="597 814 805 1031">Component</th> <th data-bbox="805 814 980 1031">Total Recycled Content (%)</th> <th data-bbox="980 814 1170 1031">Post-Consumer Content (%)</th> <th data-bbox="1170 814 1395 1031">Pre-Consumer Content (%)</th> </tr> </thead> <tbody> <tr> <td data-bbox="597 1031 805 1136">Frames</td> <td data-bbox="805 1031 980 1136">72.9</td> <td data-bbox="980 1031 1170 1136">49.1</td> <td data-bbox="1170 1031 1395 1136">23.8</td> </tr> <tr> <td data-bbox="597 1136 805 1247">Secondary</td> <td data-bbox="805 1136 980 1247">32.1</td> <td data-bbox="980 1136 1170 1247">25.5</td> <td data-bbox="1170 1136 1395 1247">6.8</td> </tr> <tr> <td data-bbox="597 1247 805 1358">Sheeting</td> <td data-bbox="805 1247 980 1358">66.4</td> <td data-bbox="980 1247 1170 1358">45.3</td> <td data-bbox="1170 1247 1395 1358">21.1</td> </tr> </tbody> </table>	Component	Total Recycled Content (%)	Post-Consumer Content (%)	Pre-Consumer Content (%)	Frames	72.9	49.1	23.8	Secondary	32.1	25.5	6.8	Sheeting	66.4	45.3	21.1			
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Frames	72.9	49.1	23.8																	
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<p>LEED MR 4.2 (1 Point) 20% recycled content (post-consumer + one half of the pre-consumer)</p>	<table border="1"> <tbody> <tr> <td data-bbox="597 1031 805 1136">Frames</td> <td data-bbox="805 1031 980 1136">72.9</td> <td data-bbox="980 1031 1170 1136">49.1</td> <td data-bbox="1170 1031 1395 1136">23.8</td> </tr> <tr> <td data-bbox="597 1136 805 1247">Secondary</td> <td data-bbox="805 1136 980 1247">32.1</td> <td data-bbox="980 1136 1170 1247">25.5</td> <td data-bbox="1170 1136 1395 1247">6.8</td> </tr> <tr> <td data-bbox="597 1247 805 1358">Sheeting</td> <td data-bbox="805 1247 980 1358">66.4</td> <td data-bbox="980 1247 1170 1358">45.3</td> <td data-bbox="1170 1247 1395 1358">21.1</td> </tr> </tbody> </table>				Frames	72.9	49.1	23.8	Secondary	32.1	25.5	6.8	Sheeting	66.4	45.3	21.1				
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<p>Frames include all built-up structural beams and columns, hot rolled angle, channel and hollow structural sections (pipe and tube).</p>	<p>Structural Frames are built up from material that is greater than 3/16".</p>																			
<p>Secondary includes all purlins and girts as well as cold-formed jambs, headers, rafters and columns.</p>	<p>Purlins and Girts are formed from material that is 16 gage to 12 gage.</p>																			
<p>Sheeting includes all roof and wall panels, soffit, liner and partition panel.</p>	<p>Roof and Wall Panels are formed from material that is 26 gage to 22 gage.</p>																			

Contact:
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September 11, 2009
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See LEED Project Calculation Worksheet to determine the Value of the ACI Building Systems components that may be used to contribute to your building project goals

LEED PROJECT CALCULATION WORKSHEET

Value Calculation:

- V = Value
- P = Price of material supplied by ACI Building Systems
- F = Frame Weight for frames supplied by ACI Building Systems
- T = Total Weight of material supplied by ACI Building Systems
- S = Cold-Formed material supplied by ACI Building Systems
- SH = Sheeting and trim material supplied by ACI Building Systems

$$V = P \times [(F/T) \times (49.1\% + (1/2) \times 23.8\%) + (S/T) \times (25.5\% + (1/2) \times 6.8\%) + (SH/T) \times (45.3\% + (1/2) \times 21.1\%)]$$

Sample Calculation:

- P = \$100,000
- F = 23,000 lbs
- T = 65,000 lbs
- S = 29,000 lbs
- SH = 13,000 lbs

$$\text{Value} = \$100,000 \times [(23,000/65,000) \times (.0491 + (0.5 \times 0.238)) + (29,000/65,000) \times (0.258 + (0.5 \times 0.068)) + (13,000/65,000) \times (0.453 + (0.5 \times 0.211))] = \$45,782 \text{ positive net contributor to 10\% and 20\% goals}$$

Sources:
Recycled Content information provided by www.recycle-steel.org/pdfs/leed/leedmar09.pdf and frame weight percentage data based on analysis of material type by weight for ACI Building Systems Frames, Secondary and Sheeting.

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