

IGCC Worksheet – Building Material Selection & Properties

International Green Construction Code (IgCC)

Planning & Development Services
 150 N. Capitol Blvd.
 Boise, Idaho 83701
 Phone: 208/384-3830
 Website: <http://pds.cityofboise.org/>



Project Name: _____

Project Address: _____

Completed By: _____

Firm Name: _____

In accordance with Section 505 of the IgCC, as amended, not less than 40 percent of the total building materials used in the project, based on cost, shall comply with one or any combination of the following material properties: 1) Used materials, 2) Recycled content, 3) Recyclable, 4) Bio-based, 5) Indigenous (local). Use the following table to tabulate material properties by cost. See next page for description of material properties.

Product	Building Element/ Component or Location	Material Properties (check ✓ where applicable)					Manufacturer (where applicable)	City/State	Miles from Site	Cost	% of Total Materials
		Used Material	Recycled Content	Recycl- able	Bio- Based	Local					
1.											
2.											
3.											
4.											
5.											
6.											
7.											
8.											
9.											
10.											
Qualifying Building Elements (1 thru 10 above)											
Non-Qualifying Building Elements (Other building elements not included above)											
Total Building Elements (Qualifying and Non-Qualifying)											
Total Percentage of Qualifying Building Elements (Qualifying ÷ Total Building Elements)											

Description of Material Properties per IGCC Sec. 505.2:

505.2.1 Used materials and components. Used materials and components shall comply with the provisions for such materials in accordance with the applicable code referenced in Section 102.4 and the applicable requirements of this code.

505.2.2 Recycled content building materials. Recycled content building materials shall comply with one of the following:

1. Contain not less than 25 percent combined post-consumer and pre-consumer recovered material, and shall comply with Section 505.2.3 (below).
2. Contain not less than 50 percent combined post-consumer and pre-consumer recovered material.

505.2.3 Recyclable building materials and building components. Building materials and building components that can be recycled into the same material or another material with a minimum recovery rate of not less than 30 percent through recycling and reprocessing or reuse, or building materials shall be recyclable through an established, nationally available closed loop manufacturer's take-back program.

505.2.4 Bio-based materials. Bio-based materials shall be those materials that comply with one or more of the following:

1. The bio-based content is not less than 75 percent as determined by testing in accordance with ASTM D 6866.
2. Wood and wood products used to comply with this section, other than salvaged or reused wood products, shall be labeled in accordance with the SFI Standard, FSC STD-40-004 V2-1 EN, PEFC Council Technical Document or equivalent fiber procurement system. As an alternative to an on-product label, a Certificate of Compliance indicating compliance with the fiber procurement system shall be permitted. Manufacturer's fiber procurement systems shall be audited by an accredited third-party.
3. The requirements of USDA 7CFR Part 2902.

Note: A bio-based material is defined as a commercial or industrial material or product, other than food or feed, that is composed of, or derived from, in whole or in significant part, biological products or renewable domestic agricultural materials, including plant, animal, and marine materials, or forestry materials.

505.2.5 Indigenous materials. Indigenous (local/regional) materials or components shall be composed of resources that are recovered, harvested, extracted and manufactured within a 500 mile radius of the building site. Where only a portion of a material or product is recovered, harvested, extracted and manufactured within 500 miles, only that portion shall be included. Where resources are transported by water or rail, the distance to the building site shall be determined by multiplying the distance that the resources are transported by water or rail by 0.25, and adding that number to the distance transported by means other than water or rail.