

## Recycled Content

From LEED:

### ID&C plus BD&C MR Credit 4

#### Requirements

Use materials, including furniture and furnishings, with recycled content such that the sum of Post-consumer recycled content plus 1/2 of the Pre-consumer 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:

Recycled Content	Points
10%	1
20%	2

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

Mechanical, electrical and plumbing components cannot be included in this calculation.



## Avanti Products' Contribution:

Single Glazed 0-9lb Recycled Content Calculator						
Material	Manufacturer	Weight of Material	Weight of Post Consumer Recycled Content (lbs)	Post Consumer Recycled Content (percent)	Weight of Preconsumer/Post Industrial Recycled Content (lbs)	Pre Consumer/Post Industrial Recycled Content (percent)
1 5x9 piece of glass	Glass Dynamics	247.5	0	0.00%	173.25	70%
2 Single Glazed Base Channel	Avanti Systems UK	1.6	0.4	25.00%	0.4	25%
3 Single Glazed Head Channel	Avanti Systems UK	1.6	0.4	25.00%	0.4	25%
4 H-Channel	Avanti Systems UK	0.4	0.1	25.00%	0.1	25%
5 Hardware	CR Laurence	5	0.5	10.00%	0.5	10%
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
Totals:		256.1	1.4		174.65	
Percentage Recycled Content According to LEED						35%

Figure 1: 0-9 lbs of hardware single glazed 5x9 ft segment



Double Glazed 0-9 lb Recycled Content Calculator						
Material	Manufacturer	Weight of Material	Weight of Post Consumer Recycled Content (lbs)	Post Consumer Recycled Content (percent)	Weight of Preconsumer/Post Industrial Recycled Content (lbs)	Pre Consumer/Post Industrial Recycled Content (percent)
1 5x9 piece of glass	Glass Dynamics	247.5	0	0.00%	173.25	70%
2 Double Glazed Base Channel	Avanti Systems UK	4.2	1.05	25.00%	1.05	25%
3 Double Glazed Head Channel	Avanti Systems UK	4.2	1.05	25.00%	1.05	25%
4 H-Channel	Avanti Systems UK	0.4	0.1	25.00%	0.1	25%
5 Hardware	CR Laurence	5	0.5	10.00%	0.5	10%
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7						
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10						
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14						
15						
16						
17						
Totals:		261.3	2.7		175.95	
Percentage Recycled Content According to LEED						35%

Figure 2: 0-9lbs of hardware double glazed 5x9 ft segment



Single Glazed 10-25 lb Recycled Content Calculator						
Material	Manufacturer	Weight of Material	Weight of Post Consumer Recycled Content (lbs)	Post Consumer Recycled Content (percent)	Weight of Preconsumer/Post Industrial Recycled Content (lbs)	Pre Consumer/Post Industrial Recycled Content (percent)
1 5x9 piece of glass	Glass Dynamics	247.5	0	0.00%	173.25	70%
2 Single Glazed Base Channel	Avanti Systems UK	1.6	0.4	25.00%	0.4	25%
3 Single Glazed Head Channel	Avanti Systems UK	1.6	0.4	25.00%	0.4	25%
4 H-Channel	Avanti Systems UK	0.4	0.1	25.00%	0.1	25%
5 Hardware	CR Laurence	17.5	1.75	10.00%	1.75	10%
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10						
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14						
15						
16						
17						
Totals:		268.6	2.65		175.9	
Percentage Recycled Content According to LEED						34%

Figure 3: 10-25 lbs of hardware single glazed 5x9 ft segment

Double Glazed 10-25 lb Recycled Content Calculator						
Material	Manufacturer	Weight of Material	Weight of Post Consumer Recycled Content (lbs)	Post Consumer Recycled Content (percent)	Weight of Preconsumer/Post Industrial Recycled Content (lbs)	Pre Consumer/Post Industrial Recycled Content (percent)
1 5x9 piece of glass	Glass Dynamics	247.5	0	0.00%	173.25	70%
2 Double Glazed Base Channel	Avanti Systems UK	4.2	1.05	25.00%	1.05	25%
3 Double Glazed Head Channel	Avanti Systems UK	4.2	1.05	25.00%	1.05	25%
4 H-Channel	Avanti Systems UK	0.4	0.1	25.00%	0.1	25%
5 Hardware	CR Laurence	17.5	1.75	10.00%	1.75	10%
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10						
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12						
13						
14						
15						
16						
17						
Totals:		273.8	3.95		177.2	
Percentage Recycled Content According to LEED						34%

Figure 4: 10-25 lbs of hardware double glazed 5x9 ft segment

Figures 1-4 show recycled content calculations done for 5ft x 9ft glass partitions. They have both single glazed or double glazed channels and different amounts of hardware but their recycled content varies only slightly. This example is scalable to any of Avanti’s specific solutions by taking the square feet of glass for a specific case and dividing it by 45. This will give a pounds per square feet value which can be multiplied by the square feet of glass for any amount of glass. Provided are two ranges of hardware weight 0-9 lbs and 10-25 lbs. Most of Avanti’s products and solutions will fall in one of these two ranges. As the glass is overwhelmingly dominant by weight in all Avanti products the recycled content will always be around 35%.