

## MR Credit 4.1/4.2 Recycled Content, 2140 Wallguard

The 2140 wallguard consists of an extruded aluminum retainer and an extruded thermoplastic snap-on cover. The cover is designed to work in conjunction with the retainer such that the assembly will absorb significant impact while providing an aesthetically pleasing accent or bumper rail.

The recycled content of this product is given as a percentage calculated by comparing the weight of the product to the weight of the recycled materials it contains. The net weight of the wall guard assembly is .44 pounds per linear foot. This value represents the sum of the weights of retainer and cover extrusions combined and is subject to variation resulting from standard manufacturing tolerances.

The recycled content of this wall guard is contained solely in the retainer as follows:

Post Consumer Scrap:	10%
Post Industrial Scrap:	60%
Primary Aluminum:	30%

In accordance with guidelines set forth in USGBC – LEED V2.2, the recycled content of the retainer is:

$$\text{Post-Consumer} + 1/2 * \text{Pre-Consumer} = 10\% + 1/2 * 60\% = 40\%$$

Applying this percentage to the weight of the retainer, the recycled content of the wallguard assembly is 23% of the product by weight  $((40\% * .25) / .44 = 23\%)$ . This value may be applied to the project cost of this product and added to similar values for the total project in order to determine LEED credit applicability for MR Credits 4.1 and 4.2.