

MR Credit 4.1/4.2 Recycled Content, 2305.1 Corner Guard

The 2305.1 surface mounted corner guard consists of two extruded thermoplastic profile extrusions. One extrusion functions as a retainer for the other which acts as a snap-on cover. The cover is designed to work in conjunction with the retainer such that the assembly will absorb significant impact without damage to the materials or surrounding construction.

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 corner guard assembly is .39 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 corner guard is contained solely in the retainer as follows:

Post-Consumer:	0%
Pre-Consumer:	100%

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

$$\text{Post-Consumer} + 1/2 * \text{Pre-Consumer} = 0\% + 1/2 * 100\% = 50\%$$

Applying this percentage to the weight of the retainer, the recycled content of the corner guard assembly is 21% of the product by weight $((50\% * .16) / .39 = 21\%)$. 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.