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**ARCHITECTURAL PRODUCTS DIVISION**

- Wall Protection Systems
- Entrance Mats And Gratings
- Athletic Flooring Systems
- Industrial Impact Protection Systems
- Parking And Traffic Safety Products

**MR Credit 4.1/4.2 Recycled Content  
 EM-70 Open Construction, Double Insert Tire Matting**

The EM-70 open construction entrance matting consists of a series of parallel aluminum rails alternating with recycled rubber inserts separated from each other by disc - shape spacers. The assembly is held together by galvanized wire running perpendicular through perforations in the rails, spacers, and inserts. The primary walking surface is provided by the buffed finish rubber inserts.

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 matting is the sum total of the weights of the aluminum rails, spacers, rubber inserts, and wires. With open construction and double insert (style *OD*), this product weighs 2.93 pounds per square foot. This value is subject to variation due to the standard manufacturing tolerances of the component parts. The rubber insert is made from 100% post-consumer recycled airplane tires, the aluminum has 20% post-consumer content, and the wires and spacers are virgin materials. The inserts weigh 1.88 pounds, the aluminum .71 pounds, the spacers .15 pounds, and the wires .19 pounds.

Recycled Content

Post-Consumer:

100% Insert + 20% Aluminum = 1.88 + .2(.71) = 2.022 pounds. This equates to 69% of the completed mat by weight.

Pre-Consumer: 0%

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

$$\text{Post-Consumer} + 1/2 * \text{Pre-Consumer} = 69\% + 1/2 * 0\% = 69\%$$

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 applicability of MR Credits 4.1 and 4.2.