

Technical Bulletin

Alcoa Reynobond® and Reynolux® can help earn certification points in the LEED® (Leadership in Environmental and Energy Design) Green Building Rating System™. The most likely categories include:

Materials & Resources: MR Credit 4 – Recycled Content: Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10% (for 1 point) or 20% (for 2 points), based on total material cost, excluding installation. The table below lists calculated % Recycled Content by Weight for each product.

Materials & Resources: MR Credit 5 – Regional Materials: Use building materials that have been extracted, harvested, or recovered, as well as manufactured within 500 miles of the project site for a minimum of 10% (for 1 point) or 20% (for 2 points), based on total material cost, excluding installation. If only a fraction of a product or material is extracted, harvested, or recovered and manufactured locally, then only that percentage (by weight) can contribute to the regional value. It is possible to earn points in this category when both the final assembly point and the recovery point of recycled content are within 500 miles of the project site. The USGBC defines the location of manufacture as the point of assembly of the finished product installed on the project site. Reynobond® panels' location of manufacture is at the place of fabrication. The location of recovery for the aluminum used in Reynobond® and Reynolux® is Mount Holly, SC.

Innovation in Design: ID Credit 1 – Points are awarded for innovative design and/or exemplary performance above the requirements set by LEED. Possible rationale for earning these LEED points includes the above-average recycled content of Reynobond® aluminum alloys and application of low-maintenance painted finish.

| <i>Reynobond® ACM</i> | <i>Thickness (mm)</i> | <i>Core*</i> | <i>Weight (lbs/ft²)</i> | <i>Pre-Consumer</i> | <i>Post-Consumer</i> | <i>LEED Contribution (1.0 x Post + 0.5 x Pre)</i> |
|---------------------------------------|-----------------------|--------------|------------------------------------|---------------------|----------------------|---|
| RB120PE | 3 | PE | 0.92 | 19% | 21% | 30% |
| RB160PE | 4 | PE | 1.10 | 15% | 18% | 25% |
| RB240PE | 6 | PE | 1.48 | 11% | 13% | 19% |
| RB160FR | 4 | FR | 1.40 | 12% | 14% | 20% |
| <i>Reynobond® Special ACM</i> | <i>Thickness (mm)</i> | <i>Core*</i> | <i>Weight (lbs/ft²)</i> | <i>Pre-Consumer</i> | <i>Post-Consumer</i> | <i>LEED Contribution (1.0 x Post + 0.5 x Pre)</i> |
| RB160PE (Anodized) | 4 | PE | 1.10 | 11% | 9% | 15% |
| RB160FR (Anodized) | 4 | FR | 1.40 | 9% | 7% | 12% |
| RB160PE (Kevlar®)** | 4 | PE | 1.12 | 15% | 17% | 25% |
| <i>Reynobond® Natural Metal MCM</i> | <i>Thickness (mm)</i> | <i>Core*</i> | <i>Weight (lbs/ft²)</i> | <i>Pre-Consumer</i> | <i>Post-Consumer</i> | <i>LEED Contribution (1.0 x Post + 0.5 x Pre)</i> |
| RB160PENBA (Natural Brushed Aluminum) | 4 | PE | 1.10 | 16% | 12% | 20% |
| RB160FRNBA (Natural Brushed Aluminum) | 4 | FR | 1.40 | 13% | 10% | 16% |
| RB160PESS (Stainless Steel) | 4 | PE | 2.06 | 7% | 43% | 47% |
| RB160FRSS (Stainless Steel) | 4 | FR | 2.36 | 6% | 38% | 41% |
| RB160FRZC (Zinc) | 4 | FR | 2.33 | 0% | 11% | 11% |
| RB160PECP (Copper) | 4 | PE | 2.42 | 0% | 69% | 69% |
| RB160FRCP (Copper) | 4 | FR | 2.71 | 0% | 62% | 62% |

* PE - Polyethylene, FR - Fire Resistance

** KEVLAR® is a registered trademark of E. I. du Pont de Nemours and Company and is used under license by Alcoa Architectural Products.

Please contact Alcoa Architectural Products for the LEED contributions of our Reynolux products.

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Excellence in Innovation