

ALPOLIC

LEED NC 2.2 CONTRIBUTION DATA SHEET

The following has been developed to provide the information needed by the LEED project team for the determination of the contribution of the ALPOLIC panels towards specific LEED NC points. In the event further information is required contact ALPOLIC at 1-800-422-7270 ext. 1.

ALPOLIC PAINTED ACM STANDARD CORE

Materials and Resources

MR Credit 4.1: One point is awarded if the materials selected for the project have a recycle

content of 10% based on total value. The recycle content is determined as the sum of the post consumer recycle content plus one half of the pre consumer recycle content. For material assemblies, such as cladding systems, the recycled content value shall be determined by weight.

MR Credit 4.2: One point is awarded if the materials selected for the project have a recycle content of 20%. The recycle content is determined using the same method as noted for Credit 4.1

| | % weight of panel | % Post Consumer Recycle Content | % Pre Consumer Recycle Content | Total = 100% Post Consumer + 50% Pre Consumer Recycle Content |
|-----------------|-------------------|---------------------------------|--------------------------------|---|
| 3 mm ACM | | | | |
| Aluminum Skins | 59.5 | 12.5 | 64.2 | 44.6 |
| PE Core | 40.5 | 0 | 30 | 15 |
| 3 mm Panel | 100 | 7.4 | 50.34 | 32.6 |
| 4 mm ACM | | | | |
| Aluminum Skins | 49.5 | 12.5 | 64.2 | 44.6 |
| PE Core | 50.5 | 0 | 30 | 15 |
| 4 mm Panel | 100 | 6.2 | 46.9 | 29.7 |
| 6 mm ACM | | | | |
| Aluminum Skins | 37 | 12.5 | 64.2 | 44.6 |
| PE Core | 63 | 0 | 30 | 15 |
| 6 mm Panel | 100 | 4.6 | 42.7 | 25.9 |

Note: The total recycle content of the panels should be combined with the other components of the cladding system to determine the contribution of the wall cladding to the overall project point qualification

MR Credit 5.1: 1 point. Regional Materials 10%

MR Credit 5.2: 1 point. Regional Materials 20%

The ALPOLIC painted ACM panels are produced from several different materials such as Aluminum Coil, Polyethylene, coatings, and protective film. Due to the nature of these materials, specifically their high recycle content it is not possible to identify and quantify the initial extraction location or all of the subsequent processing points. For this reason it is recommended that ALPOLIC not be included in the calculations for this credit.

Indoor Environmental Quality

EQ Credit 4.2: 1 point. The intent of this credit is to reduce the harmful or irritating indoor air contaminants that the building occupants or installers are exposed to.

All coatings applied to the ALPOLIC ACM panels are factory applied using a coating line with an in line regenerative thermal oxidizer, which eliminates the release of the VOC content of the coating. By factory applying the coatings the need for field painting and the accompanying VOCs are eliminated.

Innovation in Design

ID Credit 1.1 to 1.4: 4 points are available in this section for exceptional performance in meeting the requirements in other sections of the LEED NC rating system or for an innovative performance on green building categories which are not addressed in other sections of the rating system.

The high recycle content of the ALPOLIC panels can support the projects exceeding the recycle content required in MR Credit 4.2, thereby qualifying for an Innovation in Design credit. The ALPOLIC panels also provide a highly durable and long life time cladding option.

