

# Lucent™ LEED Fact Sheet

## Materials & Resources

### MR Credit 4.1, 4.2 – Recycled Content

(10% Average & up to 20% post-consumer + Average of 20% and can be up to 75% pre-consumer)

LEED Intent: Increase the demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

LEED Requirement: Use materials with recycled content such that the sum of the post-consumer recycled content plus one-half of the pre-consumer (post-industrial) content constitutes at least 10% or 20% of the total value of the materials in the project.

### Best Sign Systems – Lucent™ Contribution

The Lucent™ product family is thermoformed from ACRYLITE®, an acrylic polymer sheet with product and environmental safety in mind. ACRYLITE® is manufactured using an average of 20% and up to 75% pre-consumer reclaimed acrylic. ACRYLITE® acrylic can be reverse polymerized to yield the original base chemical, MMA which can then be used to make acrylic again or a number of other commercial products. This means that some grades can be re-extruded many times without losing their properties.

### MR Credit 5.1, 5.2 – Regional Materials

LEED NC – 10% Extracted, Processed & Manufactured Regionally

LEED NC & LEED CI Intent: Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

LEED NC Requirement: Use building products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for minimum of 10% or 20% (based on cost) of the total materials value. If only a fraction of the product is extracted, harvested or recovered and manufactured locally, then only that percentage (by weight) shall contribute to the regional value.

LEED CI Requirement: Use a minimum of 20% of the combined value of all construction materials and products that are manufactured regionally within a radius of 500 miles. An additional LEED Credit point can be earned if you use a minimum of 10% of combined value of products extracted, harvested, recovered or manufactured within 500 miles.

### Best Sign Systems - Lucent™ Contribution:

Final finished goods are manufactured in Montrose, CO. Projects sites within 500 miles from Sanford, ME or Osceola, Arkansas are also applicable.

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## Environmental Air Quality

### **EQ Credit 4.1 to 4.5 – Low-Emitting Materials**

LEED Intent: Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants. LEED Requirement: All of the adhesives and sealants used in the building must meet the requirements of the South Coast Air Quality Management District (SCAQMD) Rule #1168. Interior paints and coating applied on-site must meet the limitations and restrictions concerning chemical components set by several standards. These credits pertain to adhesives & sealants, paints and composite wood.

### **Best Sign Systems - Lucent™ Contribution:**

The Lucent™ product family is thermoformed from ACRYLITE®, an acrylic polymer sheet with product and environmental safety in mind. No heavy metals (cadmium, lead, mercury, hexavalent chromium, etc.) are used in the manufacture of ACRYLITE®. In addition, ACRYLITE® does not add or use plasticizers and is an alternative to other products, such as fiberglass with phenolic binders or HPL with phenolic and melamine resins containing formaldehyde. ACRYLITE® is free of any added urea-formaldehyde resins including biphenyl A