

March 1, 2011

LEED Information Related to Overhead Door Products

Please find below information that will assist in complete LEED (Leadership in Energy and Environmental Design) submittals with regard to recycled content in our commercial and residential door products.

Since each request form for LEEDS varies, we have compiled general information typically requested for applicable projects. Please reference the information below on the raw materials used in our production process.

Steel

Upwardor purchases steel that uses two types of steelmaking technologies to produce a variety of steel grades for a wide range of building products. The traditional basic oxygen furnace BOF uses approximately 27% steel scrap, while electric arc furnace (EAF) uses almost 100% steel scrap. Total recycled content of our steel is 58% as follows:

- 20% post consumer recycled material
- 25% post industrial recycled material
- 13% home scrap material

All steel scrap is acquired from a number of suppliers in Hamilton, Ontario, Canada. The key raw material used in the production of our flat rolled steel is iron ore. The iron ore is acquired from a number of sources within Canada and the United States. A breakdown of the current iron ore mining locations and method for transporting this raw material to Hamilton, Ontario, Canada is as follows:

- 49.53% from Minorca Mine in Virginia, MN, USA. Ore is shipped by rail from the mine in Virginia, MN to Duluth, MN, then transported by water to Hamilton, ON, a total combined shipping distance of approximately 1,100 km
- 33.50% from Hibbing Mine Hibbing, MN, USA. Ore is shipped by rail from the mine in Hibbing, MN to Duluth, MN, then transported by water to Hamilton, ON, a total combined shipping distance of approximately 1,100 km
- 16.97% from Wabush Mine Wabush, NF, Canada. Ore is shipped by rail from the mine to Pointe Noire, QC, then transported by water to Hamilton, ON, a total combined shipping distance of approximately 1,400 km

Pre Paint Steel

The paint coating system applied to our doors is not held to the GS-11 standard for field applied paints. Our surface coatings are factory applied and will not release VOCs (Volatile Organic Compounds) once cured in the coil coating process. The VOCs are removed from the coating during application process on the coil line.

Rigid Polyurethane Foam

The recyclable/renewable content of the resin component is 14%, while the overall content of the molded in-place rigid foam is 6.33%. Our polyurethane foam insulation is 100% CFC free and contains Zero ODP (ozone depleting potential).

Rubber Seals

The rubber seals on our doors do not contain any recycled materials.

Adhesives / Sealants

The adhesives and sealants used in our manufacturing process of our doors do not contain any hazardous substances.

Glass

The glass used in our doors contains approximately 20% recycled materials. A minimum of 50% of building materials and products that are extracted, harvested or recovered are within 500 miles of the project site.

Aluminum

Aluminum extrusion material used to manufacture our painted and milled full view sections and full view doors contain prime billet 0% recycled material. We do not use secondary billet which contains recycled content due to potential performance issues.