



The Chemical Company



WALLTITE ECO™ LEED® – Materials and Resources, Recycled Content

In the process of designing LEED certified buildings, designers, technicians, contractors, professionals and others may require information to make product choices on the basis of the recycled content of the material or product.

The purpose of this document is to present information to assist LEED projects in attaining their objectives and credit requirements.

Requirements ⁽¹⁾: LEED Materials and Resources: MR Credit 4, Recycled Content

The LEED Reference Guide ⁽¹⁾ requires

- on a project basis: “use of materials with recycled content such that **the sum** of post-consumer recycled content plus one-half of the post-industrial content **constitutes at least 7.5% of the total value of the materials in the project**”
- on a product / material basis: “the value of the recycled content portion of a material or furnishing shall be determined by dividing the weight of the recycled content in the item by the total weight of all material in the item”
- a minimum total value of recycled materials (project) of 7.5% (MR4.1) or 15% (MR4.2)

Note: mechanical and electrical components are not permitted in the calculation of recycled content.

IMPORTANT CONSIDERATIONS

Although the amount of recycled material for individual ingredients used in the production of spray polyurethane foam (SPF) insulation may be high, it's the total percentage for the finished product (or system) that must be considered for LEED certification.

For example, the amount of recycled polyol in WALLTITE ECO™ represents more than 40% of the polyol content in the system. However, SPF is made from two components, isocyanate and resin, that are combined together according to a specific ratio. Therefore, once all quantities are factored properly for all component ingredients, the finished product's recycled content will not necessarily be equal to that of an individual ingredient.

WALLTITE ECO has obtained EcoLogo^M certification

Environment Canada's EcoLogo^M Program provides consumers with a level of assurance that the product bearing the EcoLogo^M meets stringent environmental criteria and that the manufacturer of the product has been audited by a credible third party.

Some of the criteria involved in the certification process include,

- Must meet or exceed all applicable governmental and industrial performance standards
- Must be manufactured and transported in such a manner that all steps of the process including the disposal of waste products arising therefrom, will meet the requirements of all applicable governmental acts, bylaws and regulations including the Fisheries Act and the Canadian Environmental Protection Act (CEPA)
- Must contain at least 5% recycled content measured by weight of final product
- Must use blowing agents with zero ozone depleting potential
- Must not be formulated or manufactured with polybrominated diphenyl ether flame retardants

WALLTITE ECO™ is the only closed cell spray polyurethane foam insulation having obtained EcoLogo^M certification.

Its recycled content meets the EcoLogo^M requirement of 5% by weight of the finished product.

⁽¹⁾ LEED Canada-NC 1.0 Reference Guide