LEED BD+C: New Construction | v2009

Material ingredients product manufacturer supply chain optimization

MRpc79 | Possible 1 point

Intent

This is a pilot credit. To use any pilot credit on your LEED project, be sure to register here. Documentation requirements and additional questions are listed below.

To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances. To reward raw material manufacturers who produce products verified to have improved life-cycle impacts.

Requirements

Product Manufacturer Supply Chain Optimization (1 point)

Project Team: Use building products that are sourced from product manufacturers who procure raw materials from suppliers meeting criteria below for at least 25%, by cost, of the total value of permanently installed products in the project.

Manufacturers: Engage in validated and robust safety, health, hazard, and risk programs. Document at least 99% by weight of the ingredients used to make the building product or building material are sourced from companies with independent third party verification of the following along the manufacturer supply chain:

- Processes are in place to communicate and transparently prioritize chemical ingredients along the supply chain according to available hazard, exposure and use information to identify those that require more detailed evaluation
- Processes are in place to identify, document, and communicate information on health, safety and environmental characteristics of chemical ingredients
- Processes are in place to implement measures to manage the health, safety and environmental hazard and risk of chemical ingredients
- Processes are in place to optimize health, safety and environmental impacts when designing and improving chemical ingredients
- Processes are in place to communicate, receive and evaluate chemical ingredient safety and stewardship information along the supply chain
- Safety and stewardship information about the chemical ingredients is publicly available from all points along the supply chain

For credit achievement calculation, products sourced (extracted, manufactured, purchased) within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost. For credit achievement calculation, the base contributing cost of individual products compliant with multiple responsible extraction criteria is not permitted to exceed 100% its total actual cost (before regional multipliers) and double counting of single product components compliant with multiple responsible extraction criteria is not permitted and in no case is a product permitted to contribute more than 200% of its total actual cost.

Structure and enclosure materials may not constitute more than 30% of the value of compliant building products.