



Building Product Disclosure and Optimization – LEED v4

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 **USGBC through LEED v4** is considering the disclosure and optimization of building products.

I. Building product disclosure and optimization – Material Ingredients

- **Option 1. Material Ingredient Reporting (1 point)**
 - o Manufacturer's Inventory
 - o Health Product Declaration (HPD) and Declare
 - o Cradle to Cradle Certified - all levels except v3 Basic
 - o USGBC approved program. For example, UL is currently working with USGBC to get accepted their MHA

- **Option 2. Material Ingredient Optimization (1 point)**
 - o GreenScreen v1.2 Benchmark. Products that have fully inventoried chemical ingredients to 100 ppm that have no Benchmark 1 hazards:
 - If any ingredients are assessed with the GreenScreen List Translator, value these products at 100% of cost.
 - If all ingredients are have undergone a full GreenScreen Assessment, value these products at 150% of cost.
 - o Cradle to Cradle Certified. End use products are certified Cradle to Cradle. Products will be valued as follows:
 - Cradle to Cradle v3 Silver: 100% of cost
 - Cradle to Cradle v3 Gold or Platinum: 150% of cost
 - o REACH – International Compliance Path
 - o USGBC approved program. For example, UL is currently working with USGBC to get accepted their MHA

- **Option 3. Product Manufacturer Supply Chain Optimization (1 point) – in progress**

II. Building product disclosure and optimization – Environmental Product Declarations

- **Option 1. Environmental Product Declaration (EPD) (1 point)**
 - o Product-specific declaration.
 - Products with a publicly available, critically reviewed life-cycle assessment conforming to ISO 14044 are valued as one quarter (1/4) of a product for the purposes of credit achievement calculation.
 - o Environmental Product Declarations which conform to ISO 14025, 14040, 14044, and EN 15804 or ISO 21930 and have at least a cradle to gate scope.
 - Industry-wide (generic) EPD: Products with third-party certification (Type III) are valued **as one half (1/2)** of a product for purposes of credit achievement calculation.
 - Product-specific Type III EPD: Products with third-party certification (Type III) are valued as one **whole** product for purposes of credit achievement calculation.
 - o USGBC approved program – Products that comply with other USGBC approved environmental product declaration frameworks.

- **Option 2. Multi-attribute optimization (1 point)**
 - o Third party certified products that demonstrate impact reduction below industry average in at least three main impact categories are valued at 100% of their cost for credit achievement calculations.
 - o USGBC approved program -- Products that comply with other USGBC approved multi-attribute frameworks.





Certifications	EHS MHA HPD	Cradle to Cradle®	EPD	FloorScore®	Potential contribution to LEED points
HO (iQ products)	Yes	-	Generic	Yes	1.5
VET/SVT	No	-	Generic	No	0.5
VCT	No	-	Generic	Yes	0.5
LVT	No	-	Generic	Yes	0.5
Heterogeneous	No	-	Generic	Yes	0.5
Linoleum	Yes	Silver/Gold	Specific	Yes	3
Rubber Tile	Yes	Bronze	Generic	Yes	1.5
Rubber Stair Treads	Yes	Bronze	No	Yes	1
Rubber sheet (Arcade)	Yes	Bronze	Specific	Yes	2
Traditional Wallbase	Yes	-	No	Yes	1
BaseWorks®	Yes	Bronze	Specific	Yes	3
Carpet Tile (ethos)	Yes	Silver	Specific	Yes	3
FiberFloor	Yes	-	Generic	Yes	1.5

EPD	<p>EPD (Environmental Product Declaration) is a verified document that reports environmental impacts of products (such as impacts to air, land, water including global warming potential) based on Life Cycle Assessment (LCA) and conforming to the requirements of several international standards (ISO 14025 – Type III Environmental Declarations). Created within a program operator’s system, that develops and manages Product Category Rules (PCRs).</p> <p>The EPD can be either industry-wide (generic) for which several manufactures are sharing their data for the same product or product-specific for which corresponds to a specific product produced by one manufacture</p>
EHS MHA HPD	<ul style="list-style-type: none"> - The Environmental and Health Statement (EHS) reporting format has been developed by EPEA together with industry following the Cradle to Cradle® (C2C) product performance approach. It is a tool to orient companies towards positive health and environmental product quality targets, to invite key players to contribute to product optimization and to inform on progress as it is updated regularly - MHA (Material Health Assessment) – Work in progress - HPD (Health Product Declaration) is a standard format for reporting product content and associated health information for building products. The HPD is developed according to the directions set forth by the Health Product Declaration Collaborative.
Cradle to Cradle®	<p>Cradle to Cradle® is a multi-attribute certification awarded at five levels:</p> <ul style="list-style-type: none"> - Basic, Bronze, Silver, Gold, Platinum <p>Products are evaluated across five categories of human and environmental health:</p> <ul style="list-style-type: none"> - Material Health: Made with materials that are safe for humans and the environment - Material Reutilization: Designed so that all ingredients can be reused safely by nature or industry - Renewable Energy and Carbon Management: Manufactured with renewable, non-polluting energy - Water Stewardship: Made in ways that protect and enrich water supplies - Social Fairness: Corporate compliance to social responsibility at every level including manufacturing and enforcing fair treatment of workers
FloorScore®	<p>FloorScore® labeled products (certified by Scientific Certification Systems) meet the strict indoor air quality emissions criteria of Collaborative for High Performance Schools (CHPS), LEED® Green Building Rating Systems and the Green Guide for Health Care.</p>