

## Overview of LEED requirements for using HPD 2.1

LEED BD+C: New Construction | v4 - LEED v4

### Building product disclosure and optimization - material ingredients

Possible 2 points

Credit Intent: "...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."

For complete credit requirements, reference materials, interpretations, addenda - see <http://www.usgbc.org/node/2616399?return=/credits>

Created on April 5, 2016

### LEED Interpretation

ID# 10433

#### Inquiry

How can I use version 2 of the Health Product Declaration Open Standard to meet the requirements of the Building Product Disclosure and Optimization – Material Ingredients credit?

For complete information on this interpretation – see

<http://www.usgbc.org/node/2616399?view=interpretations&return=/credits>

The credit contains three Options; HPDs can be used to meet requirements of two of these Options – Option 1: Material Ingredient Reporting and Option 2: Material Ingredient Optimization, but not Option 3: Product Manufacturer Supply Chain Optimization. USGBC publishes requirements for credits in the credit language, in the reference guide material for each credit, and in periodic addenda and interpretations.

### Option 1: Material ingredient reporting

LEED v4 requirements for the HPD 2.1 are:

- Ingredients reported down to at least 0.1% (1,000 ppm).
- Role/ function, amount, and health hazards reported for all listed ingredients, including those that are not "Identified" ("Undisclosed" or "Unknown").
- Indication of whether residuals and impurities were considered with explanation as required in the HPD Open Standard.
- Use of either of the formats described in the Standard: the Basic Inventory method or the Nested Materials method.
- Basic Inventory method must report all substances to at least 1,000 ppm in the product; Nested Materials method can report all substances to at least 1,000 ppm in either the product *or* in each material.

- The HPD is “complete” as defined by the HPD Open Standard.
- The HPD is published and available to public.

**Option 2: Material ingredient optimization**

In addition to meeting all Option 1 requirements, above, LEED v4 requirements are:

- Ingredients reported down to at least 0.01% (100 ppm)
- No GreenScreen scores of BM-1 or LT-1.

**LEED and HPD terminology equivalents**

Terms used in LEED and HPDs are not always identical. To avoid confusion, the following table presents a crosswalk of terms that differ.

<b>LEED Terms</b>	<b>HPD Terms</b>
CAS RN	ID or Identifier
Role or function	Role
Amount	% Weight
Health hazards	Hazards
Ingredients	Contents (includes materials and substances)