

Health Product Declarations (HPD's)

A Health Product Declaration (HPD), also known as a material ingredient disclosure, provides transparency with potential chemicals of concern in building materials. Product ingredients are compared to “hazard lists” based on the GreenScreen® for Safer Chemicals method of comparative Chemical Hazard Assessment (CHA).

Architects and mechanical engineers are increasingly seeking, specifying and rewarding manufacturers who offer verified HPD's which can help them to achieve points towards credits and certification with the U.S. Green Building Council's (USGBC) Leadership in Energy and Environmental Design (LEED®), WELL Building Standard®, ILFI Living Product Challenge (LPC) and other green building rating systems.

The LEED Materials & Resources (MR) category offers a credit called Building Product Disclosure and Optimization - Material Ingredients. This credit offers up to 2 points for 2 different options at one point each. Option 1 is “Material Ingredients Reporting.” Design professionals must identify and specify at least 20 different permanently installed products sourced from at least 5 different manufacturers.

The following programs are approved and provide product chemical inventories to at least 0.1% (1,000 ppm):

- Manufacturer Inventory
- *Health Product Declaration: the end use product has a published and complete HPD with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard
- Cradle to Cradle
- Declare
- UL Product Lens
- USGBC-Approved Program

*Aeroflex USA's Aerocel® brand of EPDM closed cell elastomeric foam insulation offers mechanical engineers 3rd-party verified Health Product Declarations valued at 1.5 points as follows:

- Aerocel® HVAC Refrigeration & Plumbing Insulation
- Aerocel® Aerofix® Insulated Pipe Supports
- Aerocel® Protape® EPDM Zero-Perm Tape

Aeroflex USA's verified EPD's are publically available on the following websites:

- <https://www.aeroflexusa.com/health-product-declarations-aeroflex/>
- <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=aeroflex>
- <https://mindfulmaterials.origin.build/#/shared/materials/>
- <https://www.scsglobalservices.com/certified-green-products-guide?manuf=44528>

Sources:

SCS Global Services - <https://www.scsglobalservices.com/services/health-product-declarations-hpds>

USGBC - <https://www.usgbc.org/credits>

GreenScreen for Safer Chemicals - <https://www.greenscreenchemicals.org>