

LEED v5 – Meeting Certification and Verification Requirements



LOW-EMITTING MATERIALS

“To reduce concentrations of chemical contaminants that can damage air quality and the environment, and to protect the health, productivity, and comfort of installers and building occupants.”

LEED v5 Requirement:

- Insulation must have qualifying third-party certification that demonstrates testing according to the California Department of Public Health (CDPH) Standard Method v1.2-2017. For example, a product has Greenguard Certification.
- Adhesives and Sealants must meet SCAQMD Rule 1168.

LEED v5 – MR Credit Low-Emitting Materials

To get Third-Party Certification on your building product materials:

- 1) Determine which products you want to have Certified
- 2) Request Quotes from 2-3 Testing Companies prior to Budgeting cycle for next year
- 3) Communicate the process with the firm's employees involved in your material component supplies and production side of your business
- 4) Get final approval to do Certification

Testing facilities that provide VOC LEED Product Certification:

- UL Environment/UL Greenguard Gold - <https://www.ul.com/services/ul-greenguard-certification>
- SCS Global Services/SCS Indoor Advantage Gold - <https://www.scsglobalservices.com/services/indoor-air-quality-certification>
- Intertek/Intertek's Clean Air Certification - <https://www.intertek.com/certification/indoor-air-quality/>

LEED v5 Single Attributes, under MR Credit: Optimized Building Products

Industrywide EPD	0.5			
Product-Specific Type III EPD	1			
Optimized EPD, Tier 1 (15% better)	1.5			
Optimized EPD, Tier 2 (30% better)	2			
HPD: pre-checked for LEED		0.5		
HPD: third party verified		1		
Optimized HPD with verification		2		
Declare		0.5		
Declare: third party verified		1		
Global Green TAG PhD		0.5		
Product Lens		1		
Green Seal Certified		1.5		
GreenCircle Closed-Loop certified				2
TRUE Zero Waste manufacturer				1
FPR: carpet, gyp. board, furniture, ceilings				1
Recycled content				%
Biobased - nonwood				%



Health Product Declaration Open Standard

Version 2.3

July 20, 2023

Product Name by Product Manufacturer

HPD UNIQUE IDENTIFIER:
CLASSIFICATION:
PRODUCT TYPE:
PRODUCT DESCRIPTION:



Health Product Declaration® v2.3

created via:

Section 1: Summary

Basic Method/Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
 Basic Method

Threshold Disclosed Per

- Material
 Product

Threshold Level

- 100 ppm
 1,000 ppm
 Per GHS SDS
 Other

Residuals/Impurities

- Completed
 Partially Completed
 Not Completed

Explanation(s) provided:

- Yes No

For all contents above the threshold, the manufacturer has:

Characterized Yes No
Provided weight and role

Screened Yes No
Provided screening results using HPDC-approved methods.

Identified Yes No
Provided name and CAS RN or other identifier

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

Number of Greenscreen BM-4/BM-3 contents:

Contents highest concern GreenScreen
Benchmark or List translator Score:

Nanomaterial:

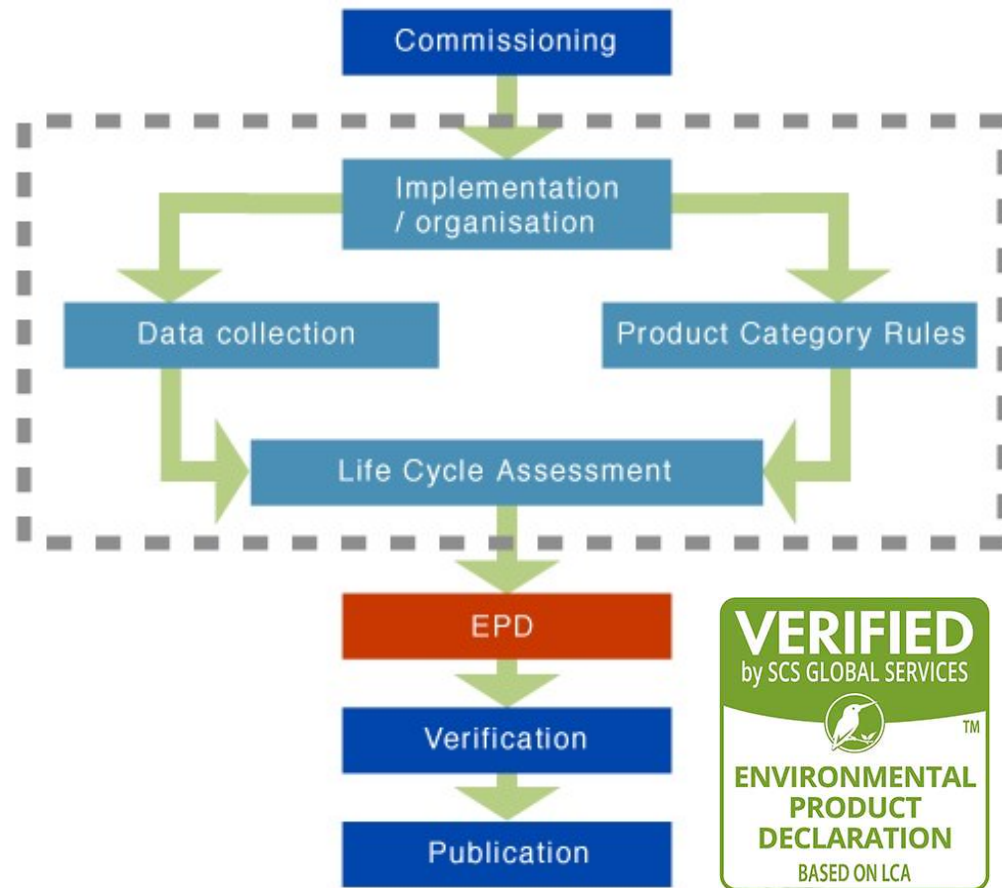
INVENTORY AND SCREENING NOTES:

How to achieve Health Product Declarations (HPDs) Third Party Verified:

HPD-collaborative.org; *Today the HPD Open Standard, a voluntary, stakeholder consensus standard, has become established as the leading industry standard for reporting building product content and associated health information. It is incorporated as a reporting tool in many leading certification programs, such as LEED v4 and WELL, and is also the foundation for industry harmonization efforts to establish a single method that can simplify reporting – and also improve the accuracy, consistency and reliability – of information about building products and health.*

HPDC Third Party Verification Program/Approved Verifiers

- SCS Global Services - <https://www.scsglobalservices.com/services/health-product-declarations-hpds>
- WAP Sustainability Consulting - <https://wapsustainability.com/services/product-transparency/>
- GreenCircle/GreenCircle Certified - <https://www.greencirclecertified.com/product-certifications>



CIRCULAR ECONOMY



**MADE WITH
RECYCLED
MATERIALS**



Weight %		
<u>Pre-Consumer</u>	<u>Post-Consumer</u>	<u>Total</u>
(50%)	(100%)	
2.8	45.1	47.9
3.3	39.5	42.8
1.5	31.8	33.3
1.7	24.9	26.6
2.4	22.6	25.0
2.9	17.3	20.2
5.1	15.3	20.4
2.2	40.4	42.6
2.5	34.4	36.9

Product-Specific Type III EPDs & Recycled Content Certification

Testing facilities that provide Life Cycle Assessments/Product-Specific Type III EPDs:

- SCS Global Services - <https://www.scsglobalservices.com/services/environmental-product-declarations>
- Intertek - <https://www.intertek.com/assuris/sustainability/lca/>
- Sphera - <https://sphera.com/solutions/sustainability-and-esg-consulting/sustainability-performance-improvement/environmental-product-declaration-epd-services>

Testing facilities that provide Recycled Content Certification:

- UL Solutions - <https://www.ul.com/services/ul-2809-recycled-content-validation>
- SCS Global Services - <https://www.scsglobalservices.com/services/global-recycled-standard>
- Intertek - <https://www.intertek.com/assuris/sustainability/recycled-content/>

Comparison of Green Building Programs

	NGBS Green	ENERGY STAR (Residential New Construction)	DOE ZERH	LEED (LEED-H v4 or LEED BD+C v4.1)	2021 Green Globes (New Construction)	2020 Enterprise Green Communities	Green Point Rated Non-California New Construction v8.2
Comprehensive Green Certification	✓			✓	✓	✓	✓
Single-Family & Multifamily	✓	✓	✓	✓	✓	✓	✓
Mixed-Use	✓			Separate Residential & Commercial Certifications	Separate Residential & Commercial Certifications		
Hotel/Motels, Assisted Living, Student Housing	✓			✓	✓		
Multiple Certification Levels	✓			✓	✓		✓
Multiple Certification Pathways	✓	✓		✓	✓	✓	✓
Onsite Verification Required	✓	✓	✓	✓		✓	✓
Equivalent with 2021 IECC	2020 Silver & Above	✓	Multifamily Only		✓	Multifamily Only	✓