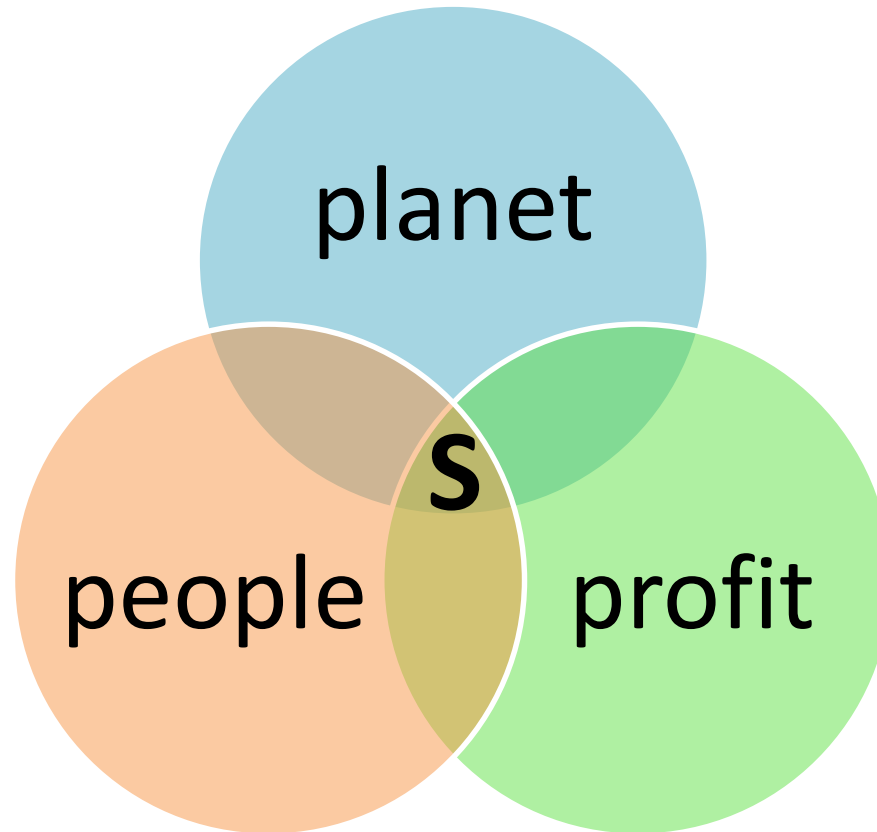


quality**net**®  
*Soluzioni per la Conformità*

QUADRO DI RIFERIMENTO:  
LEED V 4 E IL CREDITO MR C 4 *“BUILDING  
PRODUCT DISCLOSURE AND OPTIMIZATION –  
MATERIAL INGREDIENTS”*

Dott.ssa Iris Visentin LEED AP BD+C

# SOSTENIBILITA'



# I protocolli di certificazione di sostenibilità dell'edificio



# LEED V 4: MATERIALI E RISORSE

Mrp1

- Stoccaggio dei rifiuti

MRc1

- Mantenimento porzione edificio

MRc2

- Gestione dei rifiuti da costruzione

MRc3

- Riutilizzo di materiali

MRc4

- Contenuto di riciclato

MRc5

- Materiali regionali

MRc6

- Materiali rapidamente rinnovabili

MRc7

- Legno certificato

Mrp1

- Storage and collection of recyclables

MRp2

- Construction and demolition waste management planning

MRc1

- Building life-cycle impact reduction

MRc2

- Building product disclosure and optimization – environmental product declaration

MRc3

- Building product disclosure and optimization – sourcing of raw material

MRc4

- Building product disclosure and optimization – material ingredient

MRc5

- Construction and demolition waste management

# TRASPARENZA

Maggiore attenzione al **processo produttivo** (LCA / EPD / CSR)

E ai prodotti e sostanze **chimiche** utilizzate

# IMPATTO SOSTANZE CHIMICHE

## LEED V 3 (2009)

### VOC

- Emissione o contenuto

## LEED V 4

### VOC

- Emissione
- Contenuto

### Trasparenza sostanze chimiche

- CASRN
- HPD
- ...

### Ottimizzazione sostanze chimiche

- REACH
- Elenco sostanze da non utilizzare

# Building product disclosure and optimization - material ingredients

## Intent

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.



### Option 1. material ingredient reporting (1 point)

Use at least 20 different permanently installed products from at least five different manufacturers that use any of the following programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm).

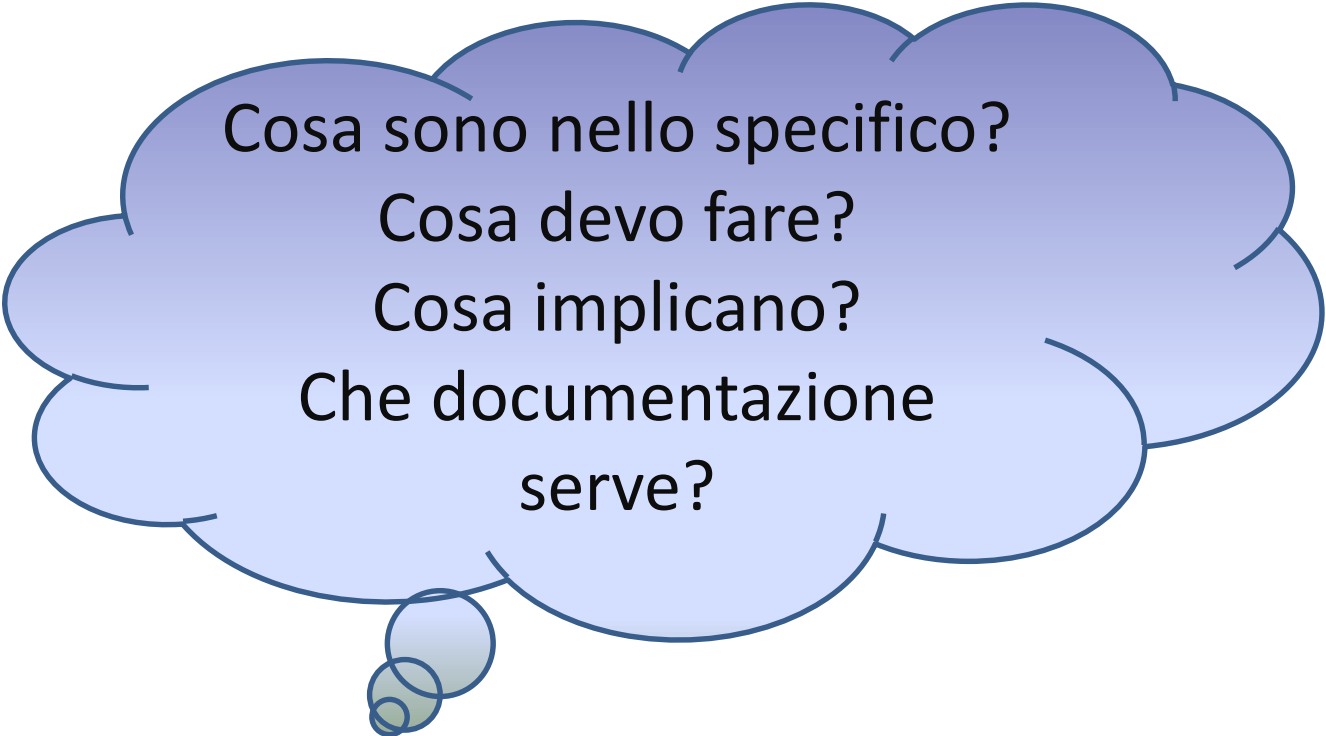
- **Manufacturer Inventory.** The manufacturer has published complete content inventory for the product following these guidelines:
  - A publicly available inventory of all ingredients identified by name and Chemical Abstract Service Registration Number (CASRN)
  - Materials defined as trade secret or intellectual property may withhold the name and/or CASRN but must disclose role, amount and hazard screen using either:
    - GreenScreen benchmark, as defined in GreenScreen v1.2.
    - The Globally Harmonized System of Classification and Labeling of Chemicals rev.6 (2015) (GHS)
      - The hazard screen must be applied to each trade secret ingredient and the inventory lists the hazard category for each of the health hazards included in Part 3 of GHS (e.g. "GHS Category 2 Carcinogen").
      - Identify in the inventory all hazard classes for which a classification cannot be made because there are insufficient data for a particular endpoint(s).
- **Health Product Declaration.** The end use product has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration open Standard.
- **Cradle to Cradle.** The end use product has been certified at the Cradle to Cradle v2 Basic level or Cradle to Cradle v3 Bronze level.
- **Declare.** The Declare product label must indicate that all ingredients have been evaluated and disclosed down to 1000 ppm.
- **ANSI/BIFMA e3 Furniture Sustainability Standard.** The documentation from the assessor or scorecard from BIFMA must demonstrate the product earned at least 3 points under 7.5.1.3 Advanced Level in e3-2014 or 3 points under 7.4.1.3 Advanced Level in e3-2012.
- **Cradle to Cradle Material Health Certificate.** The product has been certified at the Bronze level or higher and at least 90% of materials are assessed by weight.
- **USGBC approved program.** Other USGBC approved programs meeting the material ingredient reporting criteria.

## Option 2. Material ingredient optimization (1 point)

Use products that document their material ingredient optimization using the paths below for at least 25%, by cost, of the total value of permanently installed products in the project.

- 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.
- Cradle to Cradle Certified. End use products are certified Cradle to Cradle. Products will be valued as follows:
  - Cradle to Cradle v2 Gold: 100% of cost
  - Cradle to Cradle v2 Platinum: 150% of cost
  - Cradle to Cradle v3 Silver: 100% of cost
  - Cradle to Cradle v3 Gold or Platinum: 150% of cost
- International Alternative Compliance Path – REACH Optimization. End use products and materials that do not contain substances that meet REACH criteria for substances of very high concern. If the product contains no ingredients listed on the REACH Authorization or Candidate list, value at 100% of cost.
- USGBC approved program. Products that comply with USGBC approved building product optimization criteria.

# MA....



Cosa sono nello specifico?  
Cosa devo fare?  
Cosa implicano?  
Che documentazione  
serve?

# GRAZIE PER L'ATTENZIONE

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