LEED v4.1 EPD & MIR Option 2 Product Guide
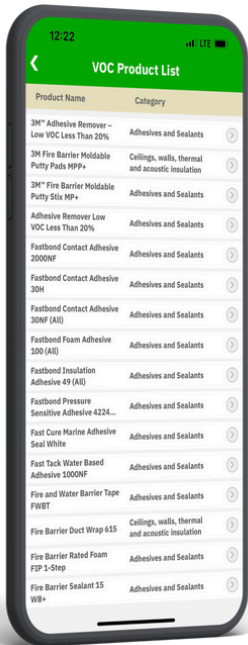
January 2024 Update

Green Badger

getgreenbadger.com

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Introduction

There aren't currently a lot of products that comply with Materials and Resources Option 2 optimization requirements. That's why we release updates to keep your teams in the loop when new products hit the market.

Green Badger's product database has around 90 products that comply with EPD option 2 requirements right now, and around 350 products for MIR option 2. This might seem like a lot, but most of those are Sherwin Williams paints for EPD option 2. This is because each sheen of paint counts as a separate product, and Sherwin Williams has a lot of product lines with many different sheens available.

However, if you're trying to achieve Option 2 LEED credits and need one more product that complies to hit your goals, Green Badger's product database is the perfect place to start!
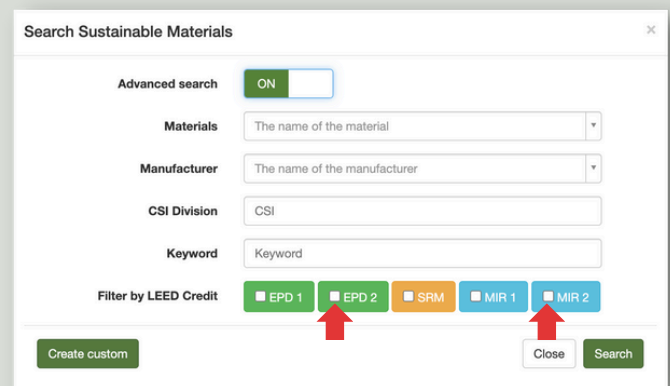
As of January 2024:

There are 90+ of products that comply with EPD Option 2 and 350+ of products that comply with MIR Option 2 in Green Badger's Product Database

Notes:

Green Badger does not have any product endorsements or agreements with manufactures to suggest these products. This resource is simply to inform project teams of what is current available on the market to earn you these credits.

Green Badger users can now search by LEED Materials & Resources Option 2 credit compliance in our green product and materials database to quickly see which products comply to earn each credit.

MIR Option 2

Use products that have a compliant material ingredient optimization report or action plan. Use at least 5 permanently installed products sourced from at least three different manufacturers.

Material Ingredient Screening and Optimization Action Plan	value at ½ product
Advanced Inventory & Assessment	value at 1 product
Material Ingredient Optimization	value at 1.5 products

The following list is not meant to be comprehensive – there are 350+ products in the Green Badger database that comply with MIR Option 2 requirements. The sample below represents some of the more popular products used in Green Badger projects.

STEEL *(05 31)*
1 Product Weight
- ASC Steel Deck

REBAR *(05 41)*
1 Product Weight
- Nucor Bar Mill Group Rebar

INSULATION *(07 00)*
1 Product Weight
- International Cellulose K13 Acoustical Thermal Insulation

ROOFING & MEMBRANES *(07 52 & 07 54)*
1 Product Weight
- Soprema Bituminous Waterproofing Membranes
- Hertalan EPDM

ENTRANCE GRID SYSTEM *(12 48)*
1.5 Product Weight
- Construction Specialties Gridline

CEILINGS *(09 54)*
1.5 Product Weight
- Rockfon Sonar, Radar
- Lindner LMD Metal Ceiling
- Integra Metal Ceiling Panels

WINDOWS *(08 51)*
1.5 Product Weight
- Heroal Windows

ALUMINUM SYSTEMS *(08 51 & 08 81)*
1 Product Weight
- Kawneer 1600 Wall System

1.5 Product Weight
- Kawneer Aluminum Façade & Sliding Systems

HARDWARE *(08 71)*
1 Product Weight
- Pemko Perimeter Gasketing

FABRICS/WALL COVERINGS *(09 72)*
1.5 Product Weight
- Carnegie Xorel

FIRESTOP *(07 84)*
1 Product Weight
- Hilti Firestop

SHADE SYSTEMS *(10 71 & 12 24)*
1 Product Weight
- Mecho

1.5 Product Weight
- Kawneer Versoleil Sun Control Systems

GLASS & GLASS PARTITIONS *(08 81)*

1 Product Weight
- AGC Float Glass
- Guardian LamiGlass
- Guardian Sputter Coated Float Glass

1.5 Product Weight
- AGC Patterned Glass
- AGC Pyrobel Glass
- Guardian
- Lindner

ADHESIVES *(09 65)*

1 Product Weight
- Forbo Sustain
- WF Taylor Resilient Flooring Adhesive
- XL Brands - various

1.5 Product Weight
- Forbo Sustain
- Henkel Loctite HB S Purebond Line
- Shaw S150 Spray Adhesive
- Tarkett Resilient Flooring & Cove Base Adhesive
- WF Taylor Adhesives

CARPET *(09 68)*

1 Product Weight
- EF Contract (J&J) Kinetex
- Mohawk Ecoflex
- Shaw EcoWorx

1.5 Product Weight
- Bentley Mills Affix, Afirma, EliteFlex
- Bentley Mills Tile & Broadloom
- Interface CQuest™Bio and Biox
- Modulyss Ecoback/Comfortback
- Patcraft (Shaw) EcoWorx ®Tile Carpets
- Tandus Centiva Powerbond Ethos Cushion
- Milliken Wellbac

ACCESS FLOORS *(09 69)*

1 Product Weight
- Concore Tate Access Floor Panel
- Kingspan Access Floor Panels

1.5 Product Weight
- Linder

PAINTS & COATINGS *(09 91)*

.5 Product Weight
- Sherwin Williams Emerald line
- Sherwin Williams Loxon Concrete & Masonry Primer
- Sherwin Williams Preprite ProBlock
- Sherwin Williams Preprite Block Filler
- Sherwin Williams ProMar 200 Zero VOC line

RESILIENT FLOORING *(09 65)*

1 Product Weight
- Mannington Mills Rubber Tile
- Tarkett Rubber Flooring

1.5 Product Weight
- Gerflor Resilient Flooring
- Johnsonite Vinyl Wall Base
- Mondo (Artigo) Rubber Flooring
- Nora Noracare, Noraplan Standard
- Tarkett Linoleum & Base

TILE *(09 30)*

1 Product Weight
- Crossville

DOOR & WALL PROTECTION *(10 26)*

1.5 Product Weight
- Construction Specialties Acrovyn 4000
- Tarkett/Johnsonite Baseworks Thermoset Rubber Wall Base

EPD Option 2

1 point under EPD Option 2 could be achieved for selecting 5 compliant products from 3 different manufacturers. See the following compliant products, whose manufacturers developed the required impact reduction analysis and plans (LEED v4.1 credit substitution):

Life Cycle Impact Reduction Action Plan	value at ½ product
Life Cycle Impact Reductions in Embodied Carbon	value at 1 product
Life Cycle Impact Reductions in Embodied Carbon – 10% reduction global warming potential	value at 1.5 products
Life Cycle Impact Reductions in Embodied Carbon – 20% reduction in global warming potential and 5% reduction 2 other impact categories	value at 2 products

* expiring in 2022   ** expiring in 2023

THERMAL INSULATION *(07 21 00)*

1.5 Product Weight
- Owens Corning FOAMULAR® NGX™ 150 Extruded Polystyrene (XPS) Rigid Foam Insulation
- Owens Corning FOAMULAR & FOAMULAR NGX 350 & 350 CVI XPS

2 Product Weight
- Owens Corning Thermafiber Formaldehyde-free Mineral Wool Insulation
- Owens Corning Thermafiber SAFB Mineral Wool Insulation - Unfaced
- Owens Corning Thermafiber RainBarrier Continuous Mineral Wool Insulation
- Owens Corning Thermafiber FireSpan Mineral Wool Insulation
- Owens Corning Thermafiber UltraBatt FF
- Owens Corning Thermafiber Safing Formaldehyde Free Mineral Wool

LOOSE-FILL INSULATION *(07 21 23)*

1.5 Product Weight
- Advance Fiber Technology Carbon Smart Loose-Fill Cellulose Insulation

CERAMIC TILE PANELS *(07 44 00)*

.5 Product Weight
- Fireclay Tile Recycled Clay Body

DOOR HARDWARE *(08 17 00)*

2 Product Weight
- ASSA ABLOY Corbin Russwin ED5000 Series Mechanical Exit Device
- ASSA ABLOY Corbin Russwin IN120 Electronic Access Control Mortise Lock
- ASSA ABLOY Corbin Russwin CL3300 Series Cylindrical Lock
- ASSA ABLOY Sargent 10X Line Cylindrical Lock

ASPHALT SHINGLES *(07 31 13)*

1.5 Product Weight
- Malarkey Vista AR Shingle Line

2 Product Weight
- Malarkey Dura-Seal Shingle
- Malarkey Highlander NEX AR Shingle Line
- Malarkey Ecoasis NEX Shingle Line

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GYPSUM BOARD *(09 29 00)*

1.5 Product Weight
- USG Sheetrock Brand EcoSmart Panels Firecode X

ACOUSTICAL CEILINGS *(09 51 00)*

2 Product Weight
- USG Mars 7/8 Mars Healthcare High NRC (80/30) Acoustical Panels

TILE CARPETING *(09 68 00)*

.5 Product Weight
- Milliken Solution Dyed Nylon 6 with WellBAC Comfort*
- Interface Modular Carpet Tile Type 6 Nylon with GlasBacRE*

2 Product Weight
- J+J Flooring Kinetex® Modular Tiles*

PAINTS AND COATINGS *(09 91 23)*

.5 Product Weight
- Sherwin Williams ProMar 200 Zero VOC Latex Primer*
- Sherwin Williams ConFlex Block Filler*
- Sherwin Williams Pro Industrial Pre Catalyzed Waterbased Epoxy*
- Sherwin Williams Harmony Latex Primer**
- Sherwin Williams Loxon Concrete and Masonry Primer**

TILING *(09 30 00)*

1.5 Product Weight
- Crossville Porcelain Tile

RESILIENT FLOORING *(09 65 19)*

.5 Product Weight
- Interface Modular Resilient Flooring, 4.5 MM LVT on Sound Choice Backing*

2 Product Weight
- Tarkett Premium and Plus ranges homogeneous vinyl flooring*

PARTITIONS *(10 22 23)*

1 Product Weight
- 3form Varia Ecoresin*

DECORATIVE GLASS GLAZING *(08 81 13)*

2 Product Weight
- 3form Pressed Glass*
- 3form Chroma Panels*

DOOR ACCESS CONTROLLERS AND OPERATORS *(08 71 00)*

.5 Product Weight
- Allegion Von Duprin 98/99 Series Exit Device
- Allegion IVES Architectural Hinges

1 Product Weight
- ASSA ABLOY Sargent 8200 Mortise Lock with EcoFlex Technology

2 Product Weight
- ASSA ABLOY Medeco XT Mortise Cylinder
- Allegion Von Duprin QEL Latch Retraction Kit
- Norton 6011 Series Door Operator
- Allegion Falcon MEL Latch RetractionKit

PLUMBING FIXTURES *(22 42 00)*

1.5 Product Weight
Kohler Co Highcliff Toilet*

FLUSHOMETERS *(22 42 43)*

1 Product Weight
- Sloan Diaphragm Flushometers
- Sloan Piston Flushometers

1.5 Product Weight
- Sloan Sensor Flushometers