



# Interior Architectural Finishes & Furniture for LEED



**Green Badger**

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## Introduction

It's one of the worst feelings for an interior designer: you put your heart and soul into a great design only to face last-minute changes dictated by factors outside of your control.

Even with the best planning and foresight, commercial specifications can still change at the end of a project due to a wide variety of reasons but some of the most common are value engineering, pricing, and availability of products.

The goal of value engineering in commercial architecture and interior design is to **optimize for the best balance between design functionality, aesthetics, and cost.**

Meanwhile, market forces, including changes in product availability and cost of labor, can quickly impact a project's budget, forcing project teams to revise specifications to accommodate. Then there are times when owners simply get tired of forking over cash and ask for budget cuts.

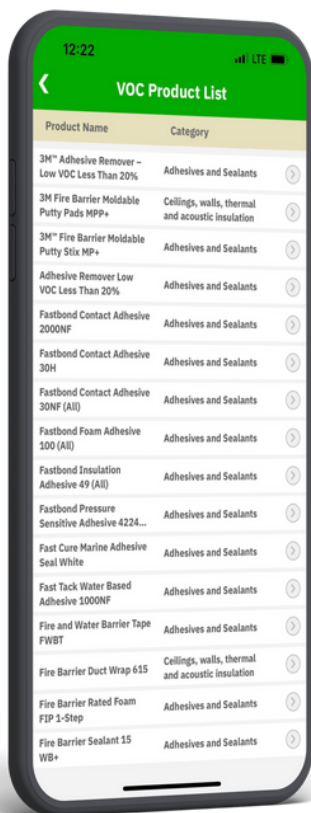
These alterations often not only compromise your design, but they likely need to be made to the drawings and finish schedule in a rush to meet construction schedules.



# About This Guide

Interior designers have to be ready and flexible to adapt to potential changes. And with so many factors to consider when specifying materials, including codes, acoustics, maintenance, and long-term durability—as well as the design aesthetics—to say “it’s complicated” is an understatement. Fortunately, **having ready access to reliable product information** is within reach. This is particularly important when balancing sustainability goals with value engineering challenges.

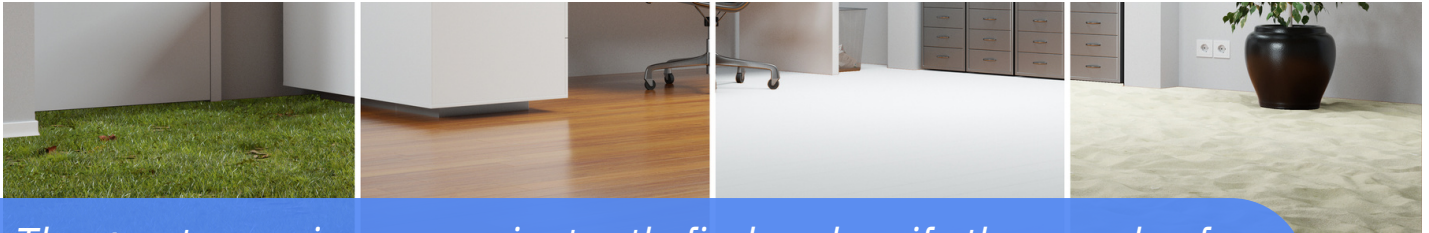
Following LEED standards ensures that chosen products meet sustainability criteria, helps designers contribute to healthier indoor environments, and the third-party certification adds credibility, **making clients less likely to substitute products** or compromise environmental goals. While upfront costs might be slightly higher, the inherent value of LEED-certified products make them more resistant to specification changes. Interior designers play a crucial role in educating clients about these benefits and fostering cooperation throughout the project.



**Through our collaborations with thousands of project teams and hundreds of designers, Green Badger has identified interior architectural finishes and furniture products linked to LEED attributes.**

We hope these products and others like them, products essential for your team to accrue certification points, can keep your beautiful finishes from being put on the chopping block before installation.

# LEED Credit Breakdown



*The great news is you can instantly find and verify thousands of products for a LEED project, all consistently updated and easily referenced in Green Badger's platform.*

## Here's a breakdown of the credits that impact interior architectural finishes.

### Materials and Resources Credits

LEED projects report products with LEED attributes that fall under divisions 3-10. Include furniture (division 12) if it's within your teams scope.

### EPD - Environmental Product Declaration

The two main types are Industry Wide and Product Specific

### EPD option 2- Environmental Product Declaration

By selecting products from manufacturers who develop an environmental impact reduction analysis and plan, you can earn EPD Optimization.

### SRM - Sourcing of Raw Materials

For more details on the five ways to earn this credit, check out the resources below

- [Extended Producer Responsibility Programs](#)
- [Material Reuse and Recycled Content](#)
- [Biobased Materials & FSC Wood](#)

### MIR - Material Ingredient Reporting

This type of documentation affords specifiers with transparency on the ingredients and materials in products that they can make selections that meet sustainability goals

### MIR option 2- Material Ingredient Reporting

By selecting products that have a compliant material ingredient optimization report or action plan, you can earn Material Ingredient Optimization. Products that have a Cradle to Cradle Certificate that is silver or higher, version 3 or later are great choices.

- For a more comprehensive list of products that meet Option 2 requirements, check out our [LEED Product Guide!](#)

## LEED Credit Breakdown continued...

### LEM - Low Emitting Materials

To qualify, the product must have an emissions certificate as well as VOC (Volatile Organic Compound) content for wet-applied products. Think of VOC as what's in the can/tube/bucket and emissions are what comes off the product after it gets installed.

### Low Emitting Product Categories

The eight categories a LEED project team could pursue for Low Emitting Materials include:

1. Adhesives & Sealants
2. Paints & Coatings
3. Flooring
4. Ceilings
5. Insulation
6. Walls
7. Furniture
8. Composite Wood

*Four compliant categories earn three points.* All products inside the weather barrier must be reported for any Low Emitting category a LEED project team is pursuing.

Ideally, a specifier will select products that have the appropriate low-emitting documentation. Just one non-compliant product could cost a team the entire category. Categories are evaluated based on cost, volume, or surface area. Wet-applied products can be tracked by volume or surface area. Other categories can be tracked by cost or surface area. Furniture is tracked by cost.

*Just one non-compliant product could cost a team the entire category.*

### Inherently Non-emitting

Inherently non-emitting sources of VOCs include stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick and unfinished or untreated solid wood, and they have no binders, surface coatings, or sealants that include organic chemicals. While these products are tracked, documentation beyond material cost is unnecessary for inherently non-emitting products.

## LEED Credit Breakdown continued...

**Walls Category:** The walls product category includes all finish wall treatments (wall coverings, wall paneling, wall tile), surface gypsum or plaster, cubicle curtains/partitions, trim, interior doors, interior windows, wall frames, and window treatments.

Exclude cabinetry (include built-in cabinetry in the composite wood category and free-standing cabinetry in the furniture category), and vertical structural elements (include structural elements such as structural panels or structural composite wood in the composite wood category, if applicable).

**Furniture Category:** The furniture product category includes all seating, desks and tables, filing/storage, free-standing cabinetry, workspaces, and furnishing items. Office accessories may be excluded.

When considering sustainable furniture specifiers can consider recycled content and FSC (Forest Stewardship Council) Certification. For low-emitting credits, look for Indoor Advantage Gold Certification, GREENGUARD Gold Certification, and the Furniture Emissions Evaluation.

The Furniture emissions evaluation requires that products are tested in accordance with ANSI/BIFMA Standard Method M7.1-2011 (R2016) and comply with ANSI/BIFMA e3-2014e or e32019e Furniture Sustainability Standard, Sections 7.6.1, 7.6.2 or 7.6.3.

**Flooring Category:** The flooring category includes all hard and soft surface flooring (carpet, ceramic, vinyl, rubber, engineered wood, solid wood, and laminates), raised flooring, wall base, underlayment, and other floor coverings. Wet-applied products on the floor should be reported in the paints and coatings category. Exclude subflooring (include subflooring in the composite wood category)

**Ceilings Category:** The ceilings category includes all ceiling panels, ceiling tile, surface gypsum or plaster, suspended systems (canopies, clouds), and glazed skylights. Exclude overhead structural elements (include structural elements in the composite wood category, if applicable).

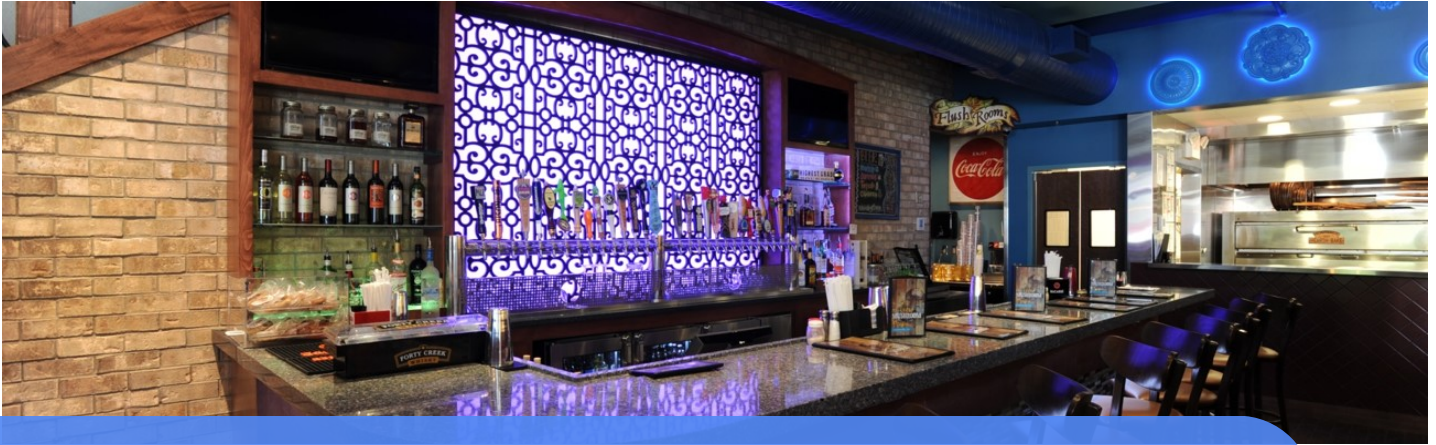
**Paint & Coatings Category:** The paints and coatings category includes all interior paints and coatings wet-applied on-site. Exclude foamed-in place and sprayed insulation (include in Insulation category).

**Adhesives & Sealants Category:** The adhesives and sealants category includes all interior adhesives and sealants wet-applied on site.

**Composite Wood Category:** The composite wood category includes all particleboard, medium-density fiberboard, hardwood plywood with veneer, composite/combination core, wood structural panels, or structural wood products. Any products that can go into the flooring, ceiling, walls, or furniture categories may be excluded from the composite wood category.

**Insulation Category:** The insulation product category includes all thermal and acoustic boards, batts, rolls, blankets, sound attenuation fire blankets, foamed-in place, loose-fill, blown, and sprayed insulation. Exclude insulation for HVAC ducts and plumbing piping from the credit. Insulation for HVAC ducts may be included at the project team's discretion.

# Specialty Items



*Custom furniture and built-in cabinetry are ways to create unique pieces and bring your vision to life.*

**Specialty items allow interior designers to create unique and exclusive spaces. They are unlikely to be omitted as they often have no suitable substitute.**

Custom furniture and built-in cabinetry are ways to create unique pieces and bring your vision to life. Custom-designed or artisanal light fixtures that add a distinctive aesthetic to the space. Unique wall coverings such as intricate wall paneling and upholstery, drapery, or cushion fabric can offer distinctive patterns, textures, and finishes. Moss walls can bring greenery into a space without taking up valuable space, and require no water or sunlight.

## **Specialty products with LEED attributes:**

- Goldray Glass - HPDs on a variety of clear, colored, and transparent glass products that can be used for markerboards, backsplashes, and wall cladding. Glass is inherently non-emitting.
  - Mosaic Wall System [MIR](#)
  - Solid Color Plus [MIR](#)
  - Tinted Mirror and Antique Mirror [MIR](#)
  - Laminated Wood Veneer [MIR](#)
- Green Oasis Preserved Moss Vegetated Wall Systems in 5 colors [MIR](#)
- Koroseal Dry Erase Wallcoverings [MIR](#)
- Metroflor Vercade Wall Fashion Wall Coverings (wood and stone designs feature walls, islands, backsplashes, headboards, and more) [MIR](#)



# Flooring Products

Flooring plays a crucial role in establishing the overall aesthetic, functionality, and durability of a space. Different types of flooring offer different advantages. Most major US manufacturers offer dozens of styles and backings that look great and contribute to LEED certification.

## CARPET AND CARPET TILE

**Broadloom Carpet:** Large rolls of carpet that cover a wide area and provide a seamless look. Suitable for offices, lobbies, and conference rooms.

**Carpet Tile:** Modular carpet squares that allow for easy replacement of damaged sections. Ideal for high-traffic areas and can be creatively arranged for unique patterns.

- Beaulieu Commercial
  - Nexterra Carpet Tile (EPD, MIR)
  - Beaulieu Standard Broadloom Nylon 6,6, Face Fiber (EPD, MIR, LEM)
  - Level Hybrid Flooring Tile (EPD)
- Bentley Mills
  - Next Step Solution Dyed N66 (EPD, MIR, LEM)
  - AFIRMA Hardback Tile Piece Dyed Nylon 6,6 (EPD, SRM, MIR, LEM)
  - High Performance PC Broadloom Carpet (EPD, SRM, MIR, LEM)
- Interface
  - CQuest™ Bio and Biox Modulyss Ecoback/Comfortback (EPD, SRM, MIR, LEM)
  - Modular Carpet Tile Type 6 Nylon with GlasBac (EPD, EPD Opt 2, SRM, MIR)
  - Modular Carpet Tile Type 6 Nylon with GlasBacRE (EPD, EPD Opt 2, SRM, MIR, LEM)
  -
- Milliken
  - Solution Dyed Nylon 6,6, with WellBAC Comfort (EPD, MIR, MIR Opt 2)
  - Digital Dye Injected Nylon 66 with ES ComfortPlus Backing (EPD)
  - Solution Dyed Nylon 66 with ESP Underscore Backing (EPD, MIR)
- Shaw
  - Commercial Polyester Broadloom (MIR, LEM)
  - Ecoworx Carpet Tile with Nylon Face Fiber (EPD, SRM, MIR, MIR Opt 2 LEM)
  - Ultraloc Broadloom Carpet with Ecosolution Q Face Fiber (EPD, MIR, LEM)

*Flooring shapes how a space looks, works, and lasts, with different types offering various benefits for interior design.*



## Flooring Products continued...

### WOODEN FLOORING

**Hardwood Flooring:** Adds a warm and natural look to spaces like retail stores and upscale offices.

- MAFI Natural Wooden Flooring ([MIR](#), [LEM](#))
- Triplex Acemar Natural Hardwood Flooring ([MIR](#))
- TerraMai MC White Oak ([SRM](#), [LEM](#))

**Engineered Wood Flooring:** Offers more stability and is suitable for areas with fluctuating humidity levels.

- Viking Engineered Parquet Flooring ([MIR](#))
- Shaw Industries Engineered Ply-Core Hardwood Flooring ([MIR](#))



### CONCRETE FLOORING

**Polished Concrete Flooring:** Achieves a sleek, modern look

- Prosoco, Consolideck Polish Guard Concrete Protector ([MIR](#), [LEM](#))
- Rainguard International, Micro-Seal® SiH4 100 Polished Concrete Finish ([MIR](#))
- Curecrete, Retroplate Polished Concrete Finish ([MIR](#), [LEM](#))

### RUBBER FLOORING

**Rubber Flooring:** Resilient and comfortable underfoot, making it suitable for areas where comfort and impact resistance are important, such as gyms and play areas.

- ECORE International - Ultratile, ECOSurfaces, PlayGuard ([EPD](#), [MIR](#), [LEM](#))
- Tarkett Rubber Flooring ([EPD](#), [MIR](#), [LEM](#))
- Mannington Rubber Tile ([Industry-wide EPD](#), [MIR](#), [LEM](#))
- Mondo (Artigo) Rubber Flooring (Granito, Dharma, Multifloor ND/Uni) ([MIR](#), [LEM](#))
- Nora Uneo, Seno, Norament 926 ([EPD](#), [MIR](#))
- ZandurFlex Solid Rubber Tile ([MIR](#))

## Flooring Products continued...

### LAMINATES & VINYL

**LVT (Luxury Vinyl Tile):** Easy to maintain and durable, making it suitable for various commercial spaces.

**Vinyl Sheet Flooring:** an economical choice for spaces with high foot traffic, such as healthcare facilities and educational institutions.

**Laminate Planks:** Multi-layered synthetic flooring with a photographic appliqué layer that simulates the appearance of wood, stone, textiles, terrazzos, and abstracts to offer versatile design.

**Heterogeneous Vinyl Tile:** Industry-Wide EPD by Resilient Floor Covering Institute covers Armstrong, Beau Flor, Congoleum, Gerflor, Lonseal Flooring, Mannington, Metroflor, Mohawk, Shaw, and Tarkett.

- Armstrong
  - Luxury Vinyl Tile (EPD, SRM, MIR, LEM)
  - Vinyl Composition Tile (EPD, SRM, MIR, LEM)
  - Biobased Tile (EPD, SRM, MIR, LEM)
  
- Tarkett/Johnsonite/Tandus Centiva
  - Johnsonite Baseworks Thermoset Rubber Wall Base (EPD, SRM, MIR, LEM)
  - Johnsonite Vinyl Wall Base (EPD, SRM, MIR, LEM)
  - Tarkett Vinyl Composition Tile (EPD, SRM, LEM)
  
- Metroflor
  - LVT Cosmopolitan Flexible LVT (Glue Down) (MIR, LEM)
  - Metrostone Waterproof SPC (MIR, LEM)
  - Genesis 2000 Series Rigid Core LVT (EPD, LEM)
  
- Aspecta
  - Aspecta One Luxury VInyl Tile (EPD, LEM)
  - Aspecta Five LuxuryVinyl Tile (EPD, LEM)
  - Elemental Loose Lay (MIR, LEM)
  
- Milliken
  - Metro Park Rigid Form Luxury Vinyl Tile (EPD, MIR, LEM)
  - Mixed Formations 5 mm Luxury VInyl Tile (EPD, MIR, LEM)
  - FlexForm Sound Luxury Vinyl Tile (EPD, MIR, LEM)

## Flooring Products continued...

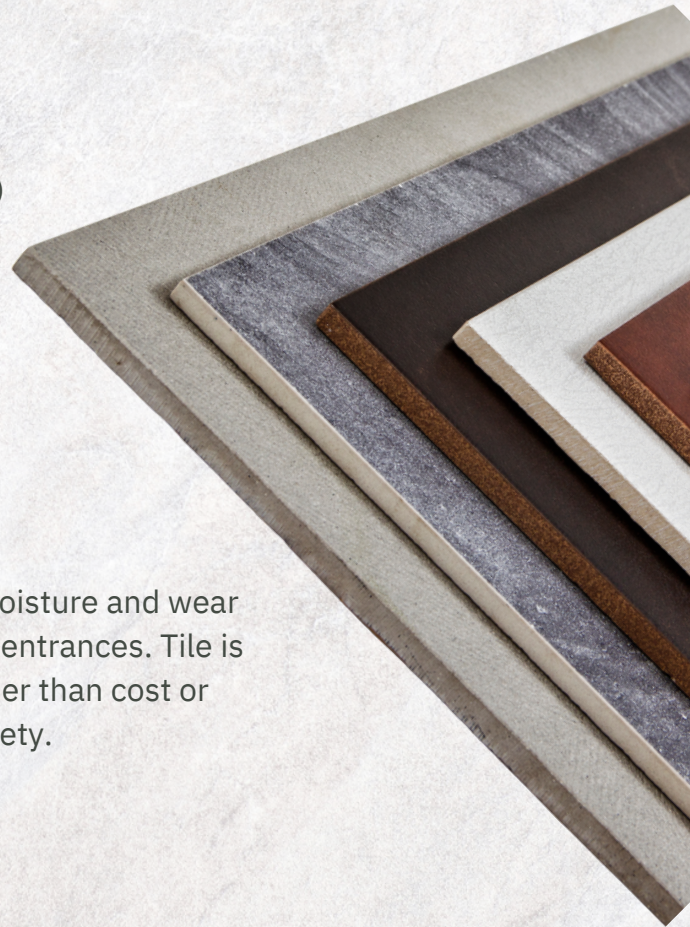
### TILES

**Ceramic Tiles:** Durable and water-resistant, suitable for areas with high moisture, such as restrooms and kitchens. Tile is inherently non-emitting. No documentation is required other than cost or surface area. Check the coefficient of friction to ensure safety.

- American Olean Brand Tile
  - El Paso TX (wall), Monterrey Mexico (floor) (EPD)
  - Fayette AL (quarry tile) (EPD, MIR)
- Fireclay
  - Recycled Clay Body Ceramic Tile (EPD, SRM, MIR)
  - Ceramic Floor and Wall Tile (EPD)
- Porcelanosa
  - Ceramic Floor Tile (MIR)
- Daltile
  - Floor and Mosaic Tile, Monterrey MX (EPD)
  - Wall Tiles (MIR)
  - Glass Mosaic Tiling (Gettysburg PA) (EPD)

**Porcelain Tiles:** These are more dense and resistant to moisture and wear than ceramic tiles. Ideal for high-traffic areas like building entrances. Tile is inherently non-emitting. No documentation is required other than cost or surface area. Check the coefficient of friction to ensure safety.

- Iris Ceramica Porcelain Tile (EPD, MIR)
- Crossville Porcelain Tile (EPD, SRM, MIR)
- Ceramiche Cesar Porcelain Tile (EPD, SRM, MIR)
- Cooperative Ceramic D'imola Porcelain Tile (SRM)
- Daltile Porcelain Tile (EPD, MIR)
- Porcelaingres Porcelain Tile (EPD, SRM)
- Infinity Porcelain Slabs (MIR)
- American Wonderland Porcelain Tile with Recycled Content (EPD, SRM)
- Royal Mosa Floor and Wall Tiles (EPD, SRM, MIR)



## Flooring Products continued...

### TERRAZZO

**Terrazzo Flooring:** Made of chips of marble, quartz, or other materials embedded in a cement or resin matrix that provides a unique and durable flooring solution. Terrazzo is inherently non-emitting.

- Terroxy Thin-set Epoxy Terrazo Flooring (**EPD**)
- Key Resin Company, Key #108 Epoxy Terrazzo Matrix (**MIR**)

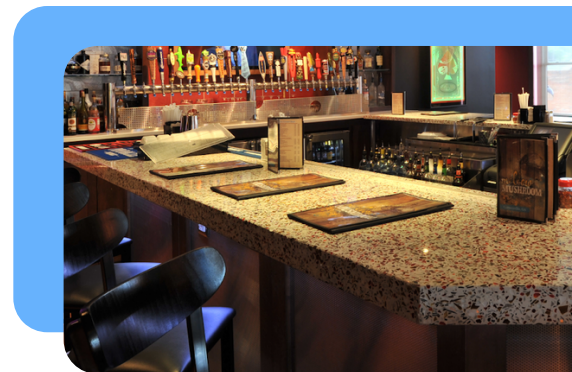
### LINOLEUM & MARMOLEUM

**Linoleum:** Linoleum is durable, made from renewable materials, can withstand heavy foot traffic, is water resistant and has a comfortable feel underfoot.

**Marmoleum:** A type of linoleum that is made from renewable materials, is durable, and practical for moisture-prone areas. It provides comfort underfoot.

Both are antimicrobial and known for a long lifespan with proper maintenance. They come in sheets, tiles, or planks.

- Forbo
  - Marmoleum Tile 2.0 and 2.5 mm (**EPD, SRM, MIR, LEM**)
  - Colorex SD (**EPD, SRM, MIR, LEM**)
  - Flotex Modular (**LEM**)
- Tarkett
  - Linoleum and Base (**EPD, SRM, MIR, LEM**)
  - Linoleum Flooring with Acoustics Cork Backing (**SRM**)
  - Originale Essenza Linoleum (**EPD, SRM, MIR**)



**Natural Stone:** Marble, granite, or travertine are elegant and durable options that add a luxurious touch to high-end commercial spaces for countertops, flooring, and tiling. Stone is inherently non-emitting. Companies that participate in the Natural Stone Flooring and Paving Industry-Wide EPD include:

- Coldspring
- Colorado Stone Quarries
- Continental Cut Stone
- Delgado Stone Distributors
- Independent Limestone Company
- Freshwater Stone
- Polycor
- Quality Stone
- Royal Bedrock
- Russell Stone
- Stony Creek Quarry
- Vermont Quarries
- Vetter Stone

## Flooring Products continued...

### BAMBOO

**Bamboo Flooring:** Sustainable and eco-friendly option suitable for spaces with an emphasis on green design.

- Ambient Bamboo Floors
  - Ambient Click-Lock Bamboo Flooring (**SRM**)
  - Ambient Bamboo Flooring (**SRM**)
  - Ambient Eucalyptus Flooring (**SRM**)
- Richlite
  - Stratum Bamboo Solid Surface (**LEM**)

### CORK

**Cork Flooring:** Offers a soft and comfortable feel underfoot and has acoustic properties, making it suitable for offices and retail spaces. It can also be used as an acoustic wall treatment. Cork is a natural raw material extracted cyclically from cork trees without ever harming them. Many cork coverings can be assembled without glue. Cork is non-toxic and resistant to mildew. And, it provides natural warmth to the space.

- Amorim Cork Composites
  - Cork Flooring Floating Subertech with Non-PVC Film - WISE Wood SRT (**MIR, LEM**)
  - WISE Cork Pure Flooring (**MIR, LEM**)
  - Resist ECO (**LEM**)
- Granorte
  - Natural Collection (**MIR**)
  - Recolour Collection (**MIR**)
  - Vita Classic Elite Collection (**MIR**)
  - Vita Classic Premium Collection (**MIR**)
  - Vita Decor Collection (**MIR**)
  - Design Trend (**LEM**)
  - Cork Floating Floor (**LEM**)
  - Wood and Cork Floating Floor (**LEM**)
  - Cork Underlay (**LEM**)
  - Vinyl Cork Floating Floor (**LEM**)
  - Cork Wall Tiles (**LEM**)
- Zandur
  - Praxis Solid Cork Flooring (**MIR**) - VOC is n/a
  - Sustain Cork Rubber Flooring (**MIR**) - VOC is n/a



# Paint Products

When selecting paint for sustainable commercial projects, prioritize low or zero VOC content to enhance indoor air quality. Opt for water-based paints with eco-friendly ingredients and consider biodegradability for responsible disposal. **Choose products with recyclable packaging and prioritize paints with extended durability to minimize the need for frequent repainting.**

Look for third-party certifications like GREENGUARD Gold, and check if the manufacturer employs renewable energy sources in their processes. Additionally, investigate the sustainability practices of the supplier to ensure alignment with environmental goals. These considerations collectively contribute to minimizing environmental impact and promoting a healthier indoor environment.

## Every sheen counts as a product.

- Benjamin Moore
  - Ultra Spec 500 Line (EPD, EPD Opt 2, SRM, MIR, LEM)
  - Natura No VOC Line (EPD, MIR, LEM)
  - Aura Waterborne Interior Paint Line (MIR, LEM)
- Sherwin Williams
  - Promar 200 Zero VOC Line (EPD, EPD Opt 2, MIR, MIR Opt 2, LEM)
  - Promar 400 Zero VOC Line (EPD, EPD Opt 2, MIR, LEM)
  - Harmony Latex Paint Line (EPD, EPD Opt 2, LEM)
- PPG
  - Speedhide Zero Line (EPD, MIR, LEM)
  - Pitt Tech Plus Line (EPD)
  - Pure Performance Interior Acrylic Latex Line (EPD, MIR)
- Dulux
  - Lifemaster Acrylic Latex Line (EPD, MIR, LEM)
  - Professional Line (LEM)
  - Diamond Line (EPD, LEM)

*When selecting paint for sustainable commercial projects, prioritize low or zero VOC content to enhance indoor air quality.*



# Textiles & Wall Coverings

Selecting textiles and wallcoverings for commercial interiors involves **considering various factors to ensure that the chosen materials meet both aesthetic and functional requirements.**

Sustainability considerations include eco-friendly options, have recycled content, or are produced using sustainable practices. Look for certifications such as GREENGUARD Gold or Indoor Advantage Gold for low-emission products.

## Textile and wallcovering products with LEED attributes:

- Maharam (currently over 800 textile designs with GREENGUARD Gold certification - [MIR](#), [LEM](#))
- Momentum Textiles (over 900 textile designs with GREENGUARD Gold Certification - [LEM](#))
- Designtex Wallcoverings – various designs with Indoor Advantage Gold ([LEM](#))
- Knoll Wallcoverings -various designs with Indoor Advantage Gold ([EPD](#), [LEM](#))
- Rulon Solid Wood Wall and Ceiling Panels ([LEM](#))
- Rulon Veneer Wall and Ceiling Panels ([LEM](#))
- Architex International (Many fabrics with HPDs - [MIR](#))
- Textile Mania (Many fabrics with HPDs - [MIR](#), [LEM](#))
- Anzea Textiles (Many fabrics with HPDs - [MIR](#))
- Carnegie Fabrics (some with SRM through Cradle to Cradle) - ([MIR](#), [LEM](#))

# Interior Wall Paneling & Protection

Selecting interior wall paneling for commercial interiors involves considering various factors to **ensure that the chosen panels align with both the design goals and functional requirements of the space.** Some material options for wall paneling include wood, metal, laminate, PVC (made from synthetic material, more durable than real wood but lacks the aesthetics), or MDF (Medium Density Fiberboard).

- A.S. Creation Wallcovering on Cellulose Fiber Base ([EPD](#))
- Inpro - corner guards, wall guards, handrails most have ([EPD](#), [MIR](#), [LEM](#))
- Panolam FRL Fiber Reinforced Laminate ([LEM](#))
- Wilsonart High Pressure and Compact Laminate ([MIR](#), [LEM](#))
- Formica Laminate ([EPD](#), [MIR](#), [LEM](#))
- Roseburg Forest Products ([EPD](#), [SRM](#), [LEM](#))
- Panolam High Pressure Laminate ([EPD](#), [LEM](#))



# Shade Systems



*Choosing shade systems for interior design projects involves considering various factors to achieve the right balance between solar control, privacy, aesthetics, functionality, and practicality.*

## **Below are some key considerations when selecting shade systems.**

1. Is the purpose of the shade system to control sunlight, enhance privacy, or serve a decorative function?
2. Does the client require adjustable light control or blackout capabilities?
3. What about privacy (sheer or opaque)?
4. Which materials align best with the design concept and functional requirements?
5. Roller shades, roman shades, cellular shades, or vertical blinds?
6. Will fabric, vinyl, bamboo, or sheer materials suffice?
7. What about energy efficiency, motorization, and automation, as well as maintenance and cleaning?

## **Some shade solutions with LEED attributes**

- Hunter Douglas (**LEM**) - there are hundreds of Hunter Douglas window treatments with GreenGuard Gold Certification.
- Mecho Ecoveil Shade Cloth, ThermoVeil Shade Cloth, Manual Shade System with EcoVeil (**MIR, LEM**)
- Mermet GreenScreen Revive Roller Window Shades (**MIR, SRM, LEM**)
- Elitex ScreenView ECO 1%, 3%, and 5% openness in various colors (**MIR**)

# Partitions/Cladding/Backsplash

3form partitions use Varia Ecoresin, a proprietary translucent resin. The resin allows various interlayers to be incorporated, including natural materials, fabrics, and metallic elements. Varia Ecoresin is made from partially recycled content. The lightweight construction can offer installation advantages. Perhaps the most unique features are the translucency and light diffusion properties. 3form installations are breathtaking when designed with uplighting or backlighting.

- 3Form
  - Varia Ecoresin (EPD, SRM, MIR, LEM)
  - Chroma (EPD, MIR, LEM)
- Goldray Glass (Glass is inherently non-emitting. No documentation is required.)
  - Laminated Glass Products (MIR)
  - Solid Color Plus (MIR)
  - Laminated Wood Veneer (MIR)

# Countertops

The selection of countertop materials for a commercial interior design project requires a balance of aesthetics, durability, resilience to chemicals, functionality and sustainability. Options include granite, quartz, solid surface, laminate, wood, stainless steel, concrete, and natural stone. Some materials, like recycled glass or sustainable wood, can offer sustainable attributes. Still others have LEED certifications.

All of the following are inherently non-emitting. No documentation is required other than material cost or surface area.

- Cambria Quartz (MIR) - Cambria has some of the most beautiful designs available in the market.
- Crossville Porcelain Countertops (EPD, SRM, MIR)
- Caesarstone Quartz Surfaces (SRM, MIR)
- Wilsonart Quartz (MIR)
- Royal Mosa Core Collection Quartz (MIR)
- Corian Quartz Surfaces (EPD, MIR)

# Acoustics

## Here are some eco-friendly acoustic finishes suitable for commercial spaces:

**Recycled PET Panels:** Acoustic panels made from recycled PET (polyethylene terephthalate) bottles can provide sound absorption while reducing plastic waste.

**Recycled Fabric Panels:** Acoustic panels covered in recycled fabrics or textiles can enhance sound absorption while promoting sustainability.

**Cork Wall Coverings:** Cork is a renewable and biodegradable material, and provides acoustic properties.

**Bamboo Acoustic Panels:** Bamboo is a rapidly renewable resource with excellent acoustic properties.  
**FSC-Certified Wood Panels:** Acoustic panels made from wood that is certified by the Forest Stewardship Council (FSC). FSC certification ensures that the wood comes from responsibly managed forests.

**Natural Fiber Panels:** Acoustic panels made from natural fibers such as hemp or jute are eco-friendly options. These materials are biodegradable and can be sourced sustainably.

**Wool Felt Panels:** Wool felt is a natural and renewable material that provides excellent sound absorption. Look for felt panels made from recycled or sustainably sourced wool.

**Mycelium Acoustic Tiles:** These tiles are biodegradable and can be composted at the end of their lifecycle.  
**Air Purifying Panels:** Some acoustic panels are designed not only to absorb sound but also to purify the air. These panels may incorporate materials that help capture and break down pollutants.

**Biodegradable Acoustic Foam:** Reduce landfill waste; use of plant-based materials lowers carbon footprint and decreases reliance on petrochemicals. Non-toxic decomposition, innovation in biodegradable materials. Many products are emerging technologies but something to keep an eye on.

**Upcycled Materials:** Explore acoustic finishes made from upcycled or repurposed materials. These can include reclaimed wood, salvaged fabrics, or other materials that have been diverted from the waste stream. (Salvaged materials count for 200% of material cost under the Sourcing of Raw Materials credit.)

## Acoustic products with LEED attributes:

- Autex
  - 3d Tiles (**EPD, MIR, LEM**)
  - Vertiface, Etch and Felt Decorative Acoustic Fabric (**MIR, LEM**)
  - Composition, Symphony and Visage (**MIR, LEM**)
  - Autex Cube Quietspace Panel (**MIR, LEM**)
- FilzFelt
  - 100% Wool Design Felt with Cork or Akustika Backing (**MIR, LEM**)
  - Spineybeck Wool Design Felt (**MIR, LEM**)
- Unika Vaev Ecooustic Felt (**EPD, MIR**)

# Lighting

When considering lighting options for a sustainable project, it's important to look for companies that adhere to recognized environmental standards and certifications, prioritize sustainability, and offer eco-friendly lighting solutions.

**Here are some sustainable lighting companies known for their commitment to environmental responsibility:**

**Whitecroft Lighting:** while lighting falls outside of divisions 3-10, Whitecroft Lighting has many EPDs, Cradle to Cradle Certifications (MIR), and Tm65 certifications for many products (embodied carbon).

**Philips Lighting (Signify):** focuses on energy-efficient LED lighting and their products often meet high sustainability standards.

**Cree Lighting:** recognized for energy-efficient LED lighting products. They offer a range of lighting solutions designed to reduce energy consumption and environmental impact.

**Acuity Brands:** a lighting and building management solutions company that emphasizes energy efficiency and sustainability.

**Eaton Lighting:** offers a variety of LED lighting solutions and controls designed to reduce energy consumption and promote environmental responsibility.

**Lutron:** known for its smart lighting and control systems.

**Hubbell Lighting:** offers a range of energy-efficient LED lighting products

**FLOS:** an Italian lighting company recognized for its modern and innovative designs and their products often incorporate eco-friendly materials.

**Artemide:** an Italian lighting manufacturer known for its commitment to design and sustainability. They offer a range of LED lighting solutions designed to minimize environmental impact.

**WAC Lighting:** focuses on LED lighting technology and designs. They emphasize energy efficiency and sustainability in their product offerings.

**ETC (Electronic Theatre Controls):** global provider of architectural and entertainment lighting solutions. They are committed to energy-efficient lighting and offer products with a focus on sustainability.

**LEDVANCE:** global lighting company that provides energy-efficient LED lighting solutions. They aim to contribute to sustainability through their product offerings.

**Crompton Greaves Consumer Electricals Ltd:** offers a range of energy-efficient lighting products, including LED bulbs and luminaires, with a commitment to sustainability.

# Glass & Partitions

Several companies in the glass and partition industry prioritize sustainability by incorporating eco-friendly materials, energy-efficient designs, and responsible manufacturing processes.

**Here are some sustainable glass and partition companies known for their commitment to environmental responsibility:**

**DIRTT (Doing It Right This Time):** a modular construction company that focuses on sustainable interior solutions. They use recycled materials and emphasize a highly customizable and reusable approach to interior partitions.

**Skyline Design:** known for its sustainable glass solutions, including decorative glass and architectural glass partitions. They prioritize the use of eco-friendly materials and are committed to environmentally responsible manufacturing.

**Viracon:** a leading architectural glass fabricator with a focus on sustainability. They offer energy-efficient glass solutions, including insulated glass units and coatings designed to optimize natural daylight.

**Haworth:** furniture and interiors company that offers sustainable workspace solutions, including glass partitions. They prioritize environmental responsibility in their product design and manufacturing processes.

**Kawneer:** specializes in architectural aluminum and glass systems. They focus on energy-efficient solutions for building exteriors and interiors, including glass partitions.

**Bendheim:** a sustainable glass manufacturer that provides decorative architectural glass solutions. They emphasize environmentally friendly practices and offer recycled glass options.

**Dormakaba:** provides access control and security solutions, including glass partitions. They focus on sustainable design and are committed to environmental responsibility.

*Leading companies in the glass and partition sector champion sustainability through eco-conscious materials and innovative design.*



## Glass and Partitions continued...

**NanaWall Systems:** specializes in opening glass wall systems. They prioritize energy efficiency and sustainable design, offering solutions that enhance natural daylighting and indoor-outdoor connectivity.

**Klein USA:** specializes in interior glass sliding door systems and partitions. They focus on design, innovation, and environmentally friendly solutions for modern spaces.

**Skyfold:** known for its vertically folding operable wall systems. These partitions can enhance space flexibility, and the company is committed to sustainability in both product design and manufacturing.

**CRL (C.R. Laurence):** specializes in architectural glazing systems and glass hardware. They offer a range of sustainable solutions for glass partitions and entrances.

**Crystal Windows:** manufactures energy-efficient windows and glass products. They provide glass solutions for both residential and commercial applications, focusing on sustainability and green building practices.

When considering glass and partition solutions for sustainability, inquire about a company's certifications as well as their approach to energy efficiency and waste reduction in their manufacturing processes.

### PARTITIONS

- Modernfold
  - Acousti-Clear Movable Acoustic Glass (**EPD, MIR**)
  - Acousti-Seal Fire Rated Movable Wall System (**EPD**)
  - Glass Wall Systems (**EPD**)
- Lindner Life Glass Partitions with Integrated Doors (**MIR**)
- Modernus Demountable Partitions (**SRM**)
- KI Genius Architectural Walls (**EPD, SRM, LEM**)



# Decorative Ceilings & Baffles

Several companies specialize in decorative ceiling and baffle solutions.

**Armstrong:** provider of ceiling solutions, offering a wide range of decorative ceiling tiles, panels, and baffles.

**Hunter Douglas Architectural:** offers a variety of decorative ceiling and baffle systems.

**USG:** provides a diverse range of ceiling solutions, including decorative tiles and panels.

**Rockfon:** specializes in acoustic ceiling solutions, including decorative panels and baffles. Their products are designed to create visually striking and sound-absorbing environments.

**Kirei:** offers sustainable decorative solutions, including baffles and acoustic panels made from eco-friendly materials. Their products are known for their unique designs and commitment to environmental responsibility.

**Decoustics:** specializes in custom acoustic ceiling and wall solutions. They provide decorative panels that offer both aesthetic appeal and sound absorption capabilities.

**SAS International:** is a manufacturer of metal ceilings and architectural metalwork. They offer decorative ceiling solutions that combine visual aesthetics with functional performance.

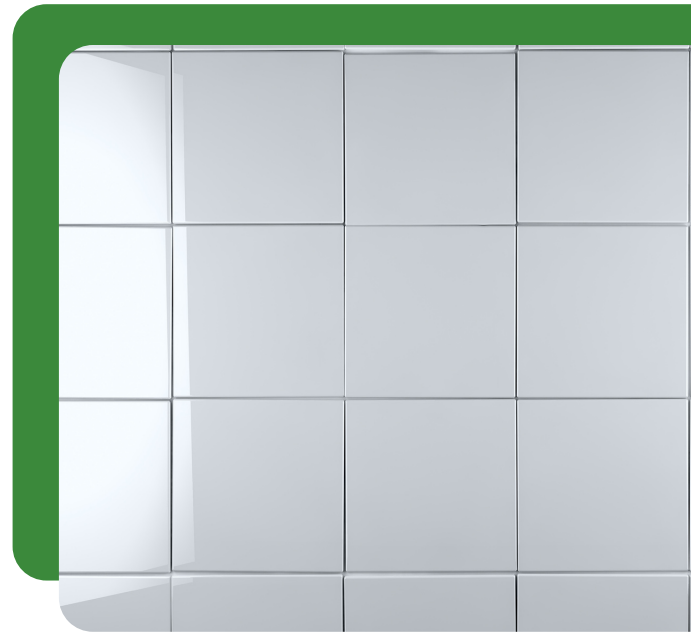
**CertainTeed Ceilings:** provides a variety of ceiling solutions, including decorative tiles and panels. Their products focus on creating visually appealing and acoustically comfortable spaces.

**Arktura:** specializes in architectural and decorative solutions, including ceiling baffles and panels. They offer customizable designs that contribute to the overall aesthetics of interior spaces.

**Gustafs Scandinavia:** is known for its high-quality wood paneling solutions, including decorative wood ceilings.

**AS Hanging Systems:** provides solutions for hanging and displaying decorative baffles and acoustic panels.

**Ecophon:** focuses on acoustic ceiling solutions with an emphasis on design and functionality.



# Acoustic Ceiling Tiles

Acoustical ceiling tiles offer numerous benefits including noise reduction, improved acoustics, enhanced speech intelligibility, aesthetic customization, thermal insulation, fire resistance, and the ability to conceal infrastructure.

These benefits collectively enhance comfort, functionality, and aesthetics in interior spaces like offices, classrooms, and commercial buildings.

**While not decorative, many acoustic ceiling tiles offer multiple LEED attributes.**



- Armstrong (dozens of products, most of which have an EPD and MIR, some have SRM, most meet LEM)
  - Ultima High Recycled Content Ceiling Panels (**EPD, SRM, MIR, LEM**)
  - Calla Ceiling Panels (**EPD, SRM, MIR, LEM**)
  - Optima Ceiling Tile (**EPD, SRM, MIR, LEM**)
  - Tectum® Create! (**EPD, SRM, MIR, LEM**)
- Rockfon (many products with MIR, LEM)
  - Color All (**EPD, MIR, LEM**)
  - Medical Plus (**EPD, MIR, LEM**)
  - Sonar (**EPD, MIR, LEM**)
- CertainTeed
  - Decoustics (**LEM**)
  - Vinylrock (**EPD, MIR, LEM**)
  - Baroque Directional Fissured Ceiling Tile (**EPD, MIR, LEM**)
- USG
  - Mars Acoustical Panels (**EPD, SRM, MIR, LEM**)
  - Olympia Micro Acoustical Panels (**EPD, SRM, MIR, LEM**)
  - Radar High CAC Acoustical Panels (**EPD, SRM, MIR, LEM**)



# Furniture

Several furniture companies prioritize sustainability by using eco-friendly materials and focusing on durability and recyclability. **Some notable sustainable furniture companies are listed below.**

**Herman Miller:** renowned furniture manufacturer with a strong commitment to sustainability. They emphasize environmentally friendly materials, energy efficiency, and recyclability in their products.

**Steelcase:** prioritizes using recycled and recyclable materials and implementing environmentally responsible manufacturing processes.

**Knoll:** is a design-oriented furniture company that emphasizes eco-friendly materials and responsible sourcing.

**Emeco:** specializes in aluminum furniture, and their products are known for durability and recyclability. They focus on creating furniture with a long lifespan.

**Vitra:** uses environmentally friendly materials, implements energy-efficient production processes, and focuses on the longevity of their designs.

**Bamboo Revolution:** specializes in furniture made from bamboo, a highly sustainable and rapidly renewable resource. They offer bamboo furniture, flooring, and accessories with a focus on both aesthetics and environmental responsibility.

**Cisco Brothers:** uses FSC-certified wood, natural and organic materials, and non-toxic finishes. Cisco Brothers also supports fair labor practices.

**Ercol:** a British furniture manufacturer that uses solid wood from responsibly managed forests and has a focus on durability.

**IKEA:** global furniture giant that has made substantial efforts towards sustainability. They focus on using renewable and recycled materials, reducing waste, and promoting energy efficiency. IKEA also offers recycling programs for their products.

*Flooring shapes how a space looks, works, and lasts, with different types offering various benefits for interior design.*



## Furniture Products continued...

Most national manufacturers offer products that have an Indoor Advantage Gold Certificate or Greenguard Gold Certificate that meets the low-emitting documentation requirement for furniture.

**Furniture manufacturers frequently offer numerous product lines equipped with EPDs, HPDs, Declare labels, and documented percentages of post-consumer and/or pre-consumer recycled materials.** Visit your preferred furniture dealer. They will assist you in finding products that meet your recycled content goal and overall LEED requirements and we've found them to be well versed in all your documentation needs.

**Below is a very brief sampling of some of the options available.**

- Steelcase
  - Amia Seating (**SRM, LEM**)
  - Privacy Wall/Glass Selections (**SRM, LEM**)
  - Universal Storage, Tables & Worksurfaces (**SRM, LEM**)
- KI
  - Strive Cantelever Arm Task Chair (**EPD, SRM**)
  - Strive 4-eLeg Armless Chair with Casters (**EPD, SRM, MIR**)
  - Serenade Conference Table (**MIR**)
- Humanscale
  - Freedom Task (**MIR, LEM**)
  - Liberty Ocean (**MIR, LEM**)
- Herman Miller
  - Aeron Chair (**EPD, MIR, LEM**)
  - Mirra 2 Chair (**EPD, LEM**)
  - Setu (**MIR, LEM**)
- Haworth
  - Very Task (**SRM, LEM**)
  - Planes Ancillary Products (**LEM**)
  - X Series (**LEM**)

# Summary



*We hope this product guide will help you specify interior architectural finishes resistant to last-minute changes and provide a healthy and more sustainable environment for the occupants of the interiors you design.*

When selecting sustainable finishes, it's essential to consider the entire lifecycle of the materials, including sourcing, production, use, and disposal. EPDs and more importantly, EPD Optimizations address this. Material transparency documentation allows specifiers to consider the materials and ingredients in the products they will allow into occupied spaces. Additionally, look for certifications such as GREENGUARD Gold, Green Label Plus, SCS Global and other emissions certificates to help you ensure occupant air quality.

Though it may require additional research to identify finishes associated with LEED attributes, opting for these products not only enhances the sustainability of your building but should improve the likelihood that your designs will be completed just as you originally envisioned them.

A notable advantage of Green Badger's platform is the ability to swiftly locate and confirm products tailored for a LEED project. Our user-friendly software, considered essential for General Contractors, is equally recognized by design teams who appreciate the value of navigating within our database. It offers instant search and verification of products aligned with LEED attributes.