



Earthright: Herman Miller's Sustainability Strategy

Resource Smart

- Zero Waste
- Net Zero Water
- Net Zero Energy

Eco-inspired Design

- All products designed for the environment
- All products BIFMA level 3 certified
- Closed-loop recycling of used product

Community Driven

- All employees engaged in Earthright
- All suppliers committed to be Resource Smart



Environmental Product Summary

Materials

Design Story: Materials Are At The Heart of Everything We Make

Our Materials Program is designed just as we design a chair or workspaces: honoring our legacy while looking ahead to the future and following the same principles. To achieve this, we rely on a number of tenets:

- We respect the planet and recognize that materials are made from precious and finite resources.
- We use materials mindfully and with economy.
- Every material used in our designs optimizes human and environmental health.
- We design for reuse.
- Our materials must be good, feel good, and look good.

Herman Miller's Design Protocol

Our commitment to corporate sustainability naturally includes minimizing the environmental impact of each of our products. Our Design for Environment team (DfE) applies environmentally sensitive design standards to both new and existing Herman Miller products.

Our DfE Protocol goes beyond regulatory compliance to thoroughly evaluate new product designs in four key areas:

- *Material Chemistry and Safety of Inputs*—What chemicals are in the materials we specify, and are they the safest available?
- *Disassembly*—Can we take products apart at the end of their useful life to recycle their materials?
- *Recyclability*—Do the materials contain recycled content, and more importantly, can the materials be recycled at the end of the product's useful life?
- *Life Cycle Assessment (LCA)*—Have we optimized the product based on the entire life cycle?

FSC® Certification

Herman Miller has Forest Stewardship Council™ (FSC®) chain of custody certification and offers certain standard laminate and veneer worksurfaces and storage products with wood fronts and tops, with exceptions, as FSC-certified products. For a detailed list of these products and exceptions, please visit HermanMiller.com/certified-wood.



GREENGUARD® Certified

The majority of Herman Miller products have achieved GREENGUARD® Gold certification. GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

Material Content

Our materials are scrutinized down to the molecular level to ensure minimized environmental impact.





Environmental Product Summary

Materials



Finishes

We use finishes that minimize harmful volatile organic compounds (VOCs), toxic heavy metal based colorants, or persistent, bioaccumulative, and toxic organohalogen colorants.

- Powder coated paint finish emits negligible VOCs.
- Autophoretic coating used on metal parts is free of VOCs.
- Formcoat® work surfaces are finished with a proprietary powder coating that seals the wood substrate and reduces off-gassing.
- We screen colorants and search for alternatives to toxic heavy metals and organohalogens.



Metals

We use recycled metals as much as possible to reduce our demand on natural resources. Our designers and engineers avoid using metals with harmful heavy metal alloying elements since they can be toxic to human health and the environment.

- Steel and aluminum components are 100 percent recyclable.
- Die cast aluminum parts are typically over 95 percent recycled content.
- The H-Alloy™ aluminum in our Setu® chairs and tables is a special grade that does not require any type of protective finish.
- Steel components typically contain 37 percent recycled content and may contain up to 90 percent recycled content.



Plastics

We look for plastics that can be recycled and do not contain toxic fire retardant additives or colorants based on heavy metals or organohalogens.

- Plastic components are identified with an ASTM recycling code whenever possible to aid in returning these materials to the recycling stream.
- We continually seek sustainable bio-based and biodegradable plastics.
- Our goal is to eliminate the use of PVC.



Textiles

Like finishes and plastics, we look for textiles that do not use toxic colorants. We prefer textiles that do not mix fiber types since they may be incompatible when recycling at the end of their useful life. This allows fabric to safely be recycled.

- Many of our textiles are antimony-free. We screen the catalyst used for polyester since the most commonly used is antimony-based and is suspected to be harmful to human health and the environment.



Environmental Product Summary

Materials

- Our proprietary leathers are tanned with an alternative to chromium. Chrome-free leather is safe and environmentally friendly—and it has the same performance properties as traditional leather.
- We are committed to using recycled polyester content in our textiles as much as possible. Recycled polyester reduces the demand for natural resources and supports the recycling process.
- Knit-to-size fabric on chairs minimizes fabric waste. This streamlined process also results in less energy use.
- Textile (and foam) materials are part of an open-loop system and can be recycled into everything from automotive components to carpet padding at the end of their useful life.
- Textiles with high-performance capabilities are cleanable, bacteria and moisture resistant, impermeable, and breathable. Herman Miller was the first company in our industry to introduce GreenShield™, a nanotechnology finish that repels water and oil, and Crypton® Green high-performance textiles, which exceed industry standards for indoor air quality and optimized materials.
- Our veneers used are purchased from suppliers practicing responsible forestry techniques.
 - Approximately 60 to 80 percent of veneers are derived from domestically grown wood, notably cherry.
 - Responsibly harvested, rapidly renewable bamboo work surface veneer is available.
 - Our veneers are adhered to the substrate with water-based glues to minimize air emissions.
 - Our veneers use water-based stains and Preserve™ water-based finishes to minimize air emissions.



Wood and Veneers

Although wood is a renewable resource, forests need to be properly managed to ensure preservation of forest health and diversity. That's why we use only responsibly harvested wood. We also seek alternatives to undesirable binders and toxic stains and finishes.

- Wood, while technically not recyclable, can be cycled back to the natural environment through composting and other methods. The wood content in most of our particle board and MDF is 100 percent reclaimed wood as certified by the Composite Panel Association's Environmentally Preferable Product (EPP) program. It is made primarily of sawdust generated by other wood process operations. Additionally, wood waste from our operations is burned in our energy center, which generates steam power that we use in our facilities.

Manufacturing Process

- *ISO*—All Herman Miller manufacturing facilities are ISO 14001 certified.
- *Worker Health and Safety*—Herman Miller strives to meet or exceed OSHA standards. Herman Miller has an OHSAS 18001-certified safety management system.

Corporate Sustainability Policy

For more information on Herman Miller's Corporate Sustainability Policy and other environmental efforts, please visit HermanMiller.com/environment.

Supplier Support

At Herman Miller, we are committed to working closely with our suppliers to reduce our collective impact on the environment. We not only encourage our suppliers to minimize their operations' environmental impacts, but also require that they assist us in decreasing our facilities' negative environmental effects as well as through the materials we purchase from them and the packaging used to deliver them.

LEED

Our materials may contribute credits for LEED certification. Materials are not evaluated individually, but rather in the context of the entire product. To see how Herman Miller products contribute to LEED credits, please refer to <http://hermanmiller.com/ecoScorecard> or contact your Herman Miller representative for detailed LEED information.

It's important to note that no interior furnishings, individually or collectively, can guarantee a specific number of points for LEED certification.

Herman Miller complies with the Federal Trade Commission's Part 260 Guides for the Use of Environmental Marketing Claims.