



Earthright: Herman Miller's Sustainability Goals

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

Metaform Portfolio™

Design Story: Designed to Evolve

In the new landscape of work, people expect everything they encounter in their workday to be as flexible and intuitive as their personal technology devices. Metaform Portfolio enables a more natural and fluid experience of work by allowing people to tailor the workplace to their unique needs, and adjust their surroundings as needs evolve.

Metaform uses a common material—expanded polypropylene (EPP), to create lightweight foundational blocks that fit together, come apart, and rearrange to create customizable settings where people can seamlessly work together to generate new ideas. Accented with a colorful array of highly versatile add-on accessories and elements including worksurfaces, Metaform enables a landscape that reflects the unique purpose, character, and activities of your organization.

Studio 7.5, designers of Metaform Portfolio believe the complexity of design solutions, requires collaboration, and repeated testing of ideas in full-scale models until the most elegant answer emerges. They love designing furniture, or as they prefer to call it, “equipment,” as in the tools needed for work. “Our goal is to enable people to assume roles similar to those of a craftsman in his shop, surrounded by what he needs to be most productive,” says Studio 7.5. “Metaform empowers people by giving them more control over their environments and tools.”

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.

The DfE Design 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?
- *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

Metaform Portfolio has achieved GREENGUARD and GREENGUARD Gold Certifications. 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*

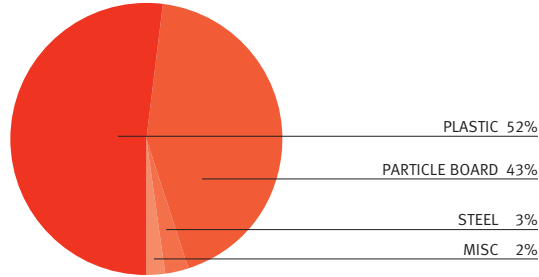
Metaform Portfolio components are constructed from aluminum, particle board, plastic, steel, and miscellaneous.



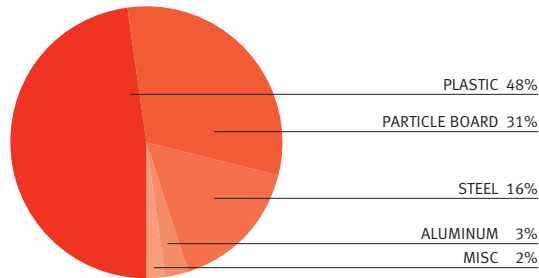
Environmental Product Summary
Metaform Portfolio

Material Content

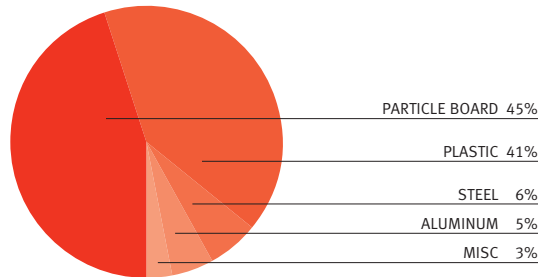
Hive



Cove-Curved Block



Cove-Straight Block

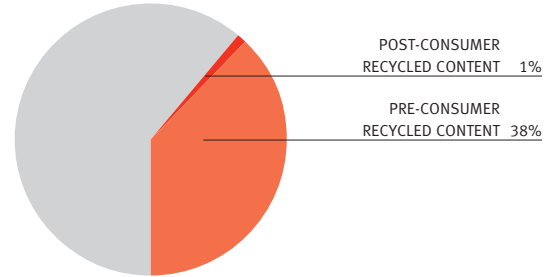


Metaform Portfolio components are up to 51 percent recyclable based on availability of recycling facilities.

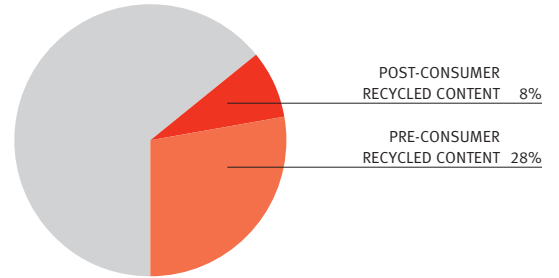
- Metaform Portfolio Hive—45% recyclable
- Metaform Portfolio Cove-Curved Block—51% recyclable
- Metaform Portfolio Cove-Straight Block—49% recyclable

Recycled Content

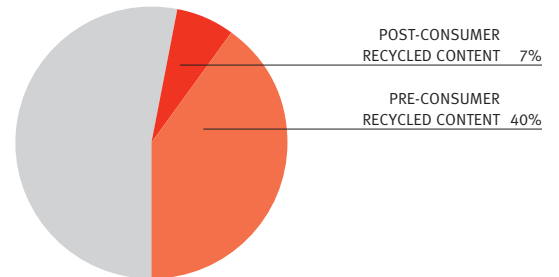
Hive



Cove-Curved Block



Cove-Straight Block



Metaform Portfolio components are comprised of approximately 36-percent to 47-percent recycled materials. This figure breaks down as:

- Metaform Portfolio Hive—1% post-consumer and 38% pre-consumer
- Metaform Portfolio Cove-Curved Block—8% post-consumer and 28% pre-consumer
- Metaform Portfolio Cove-Straight Block—7% post-consumer and 40% pre-consumer



Environmental Product Summary

Metaform Portfolio

- Steel components contain approximately 37 percent recycled content and are 100 percent recyclable.
- Wood, while not technically recyclable, can be cycled back to the natural environment through processes such as composting. The wood content in our work surfaces, tables, and storage unit substrates is made primarily of sawdust generated by other upstream wood process operations. Additionally, wood waste from our operations is burned in our Energy Center, which generates steam that we use in our manufacturing facilities.
- All veneers used are purchased from suppliers practicing responsible forestry techniques.
 - Approximately 60 to 80 percent of veneers are derived from domestically grown woods, notably cherry.
 - Responsibly harvested, rapidly renewable bamboo work surface veneer is also available.
 - All veneers are adhered to the substrate with water-based glues to minimize air emissions.
- Plastic components are identified with an ASTM recycling code whenever possible, to aid in returning these materials to the recycling stream.
- *Returnable Packaging*—Metaform Portfolio's packaging materials include corrugated cardboard and expanded polystyrene foam. These materials are part of a closed-loop recycling system, meaning they can be recycled repeatedly.
 - Whenever possible, shipments between Herman Miller and its suppliers include the use of pallets and other returnable packaging to minimize waste.
 - On large North American orders, disposable packaging can be replaced with reusable shipping blankets.
- *Renewable Energy*—Metaform Portfolio is manufactured in West Michigan using 100 percent renewable energy via renewable energy credits and a power purchase agreement.
- *ISO*—Metaform Portfolio is manufactured in West Michigan at an ISO 14001-certified site.
- *Worker Health and Safety*—Herman Miller strives to meet or exceed OSHA standards. Metaform Portfolio is manufactured at an OHSAS 18001-certified site.

Product Performance

- Designed for minimal material use, reduced energy requirements, easy reconfiguration, and durability.
- Backed by Herman Miller's 12-year, 24/7 warranty.

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 require they assist us in decreasing our facilities' negative environmental effects, as well.

LEED


Metaform Portfolio may contribute to LEED credits due to its returnable/reusable packaging, durability, pre-consumer recycled content, and post-consumer content. Depending on location, Metaform Portfolio also may contribute to a LEED Regional Materials credit. The Herman Miller LEED calculator may be found on the websites product pages or contact your Herman Miller representative for detailed LEED information.

rePurposeSM Program

Good design includes thinking about how to recycle used products. Our program, rePurpose, gives new life to furniture that's no longer needed. By employing a thoughtful combination of resale, recycling, and donation on each project, rePurpose ensures each asset, including furniture, equipment, and supplies, reaches its best destination. The rePurpose program is a cost-effective, reliable, and efficient service that protects the environment and benefits the community. rePurpose is a single-source approach, which saves time and money, eliminates liability, and keeps 99 percent of product out of landfills. Its robust web-based reporting helps organization of all types and sizes align economic, environmental, and social goals. Want to learn more about rePurpose? Contact us at rePurpose@hermanmiller.com.

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.

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All other trademarks are the property of their respective owners.

Only the products that are identified as such on this document are FSC® certified.

* The environmental data provided is representative of a typical configuration.

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