



### 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

## Mirra® 2

#### Design Story: The Art and Science of Seating

The original Mirra evolved from Studio 7.5's vision of a chair that could react to what people do. A chair that could be simple, good looking, versatile, highly ergonomic, and environmentally responsible. A chair that could do more for people while requiring less of them.

Mirra 2 moves with you, at one with your body. When you sit, the seat and back adapt to you instantly. With dynamic surfaces that respond to your slightest movements and simple, intuitive adjustments to fine-tune the fit. Mirra 2 chair and stool balances immediate comfort and personalized ergonomics in one sophisticated design.

#### 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?

#### level® Certification

The Mirra 2 Chair and Stool are certified level 3. The

level conformance mark ensures a comprehensive, independent, and impartial assessment of the environmental and social impacts of a product. For more information, go to [www.levelcertified.org](http://www.levelcertified.org).

#### CRADLE TO CRADLE CERTIFIED™ Bronze

The Mirra 2 Chair is CRADLE TO CRADLE Certified Bronze. This means that the Mirra 2 Chair has been evaluated for its material health, and is designed for material reuse in a closed loop system, such as recycling or composting. It is assembled using 100% renewable energy. For more information visit, [www.c2ccertified.org](http://www.c2ccertified.org).

#### Global GreenTag<sup>cert</sup>™ GreenRate™ Certified

Mirra 2 chairs are Global GreenTag<sup>cert</sup>™ GreenRate™ Level B Certified. Global GreenTag<sup>cert</sup>™ is an Australian Competition and Consumer Commission (ACCC) approved National Certification Mark, an ISO compliant ecolabel and Green Building Councils of Australia and New Zealand recognized third party certifier. GreenTag GreenRate certification enables products to be allocated Level A, B or C in the Green Building Council of Australia (GBCA) and New Zealand GBC's Green Star™ tools and certify both VOC and formaldehyde (composite wood) credits.

#### GREENGUARD Certified

The Mirra 2 chair and stool have 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](http://ul.com/gg).

#### Material Content\*

Mirra 2 components are constructed from plastic, aluminum, steel, epoxy, fabric, and foam.

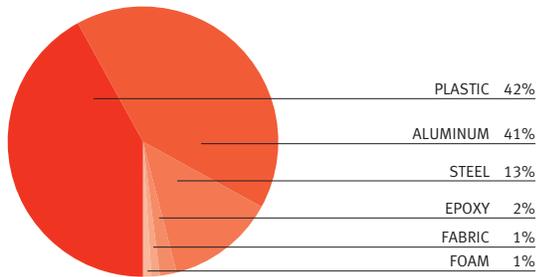


## Environmental Product Summary

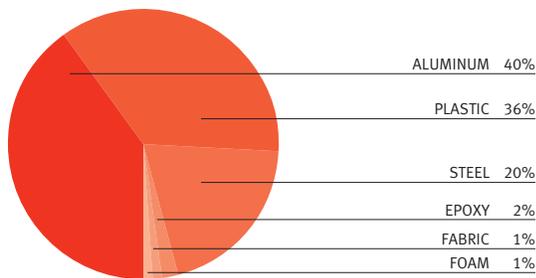
# Mirra 2

### Material Content\*

#### Mirra 2 Chair



#### Mirra 2 Stool



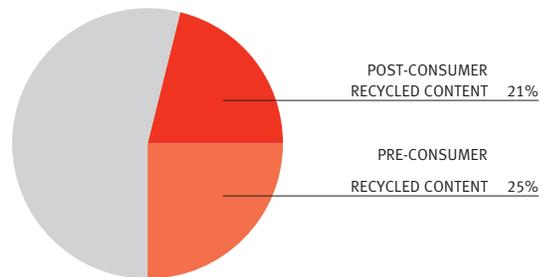
The Mirra 2 chair and stool are up to 94 percent recyclable based on availability of recycling facilities.

The Mirra 2 Chair is comprised of 46-percent recycled materials. The recycled content breaks down by 21-percent post-consumer and 25-percent pre-consumer content. The Mirra 2 Stool is comprised of 47-percent recycled materials. The recycled content breaks down by 6-percent post-consumer and 41-percent pre-consumer content.

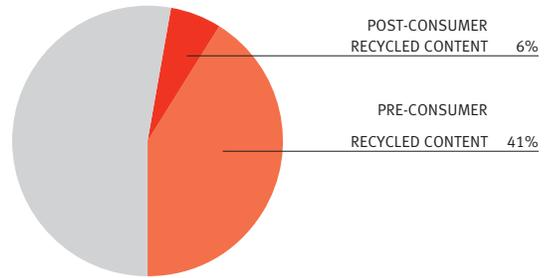
- Every material has been scrutinized down to the molecular level.
- Aluminum components contain approximately 100 percent recycled content and are 100 percent recyclable.
- Steel components contain approximately 37 percent recycled content and are 100 percent recyclable.
- Most metal components are finished using materials that emit negligible volatile organic compounds (VOCs).
- Plastic components are identified with an ASTM recycling code whenever possible, to aid in returning these materials to the recycling stream.

### Recycled Content

#### Mirra 2 Chair



#### Mirra 2 Stool



- No polyvinyl chloride (PVC) used; thermoplastic elastimer is used for arm skin.
- *Returnable/Recyclable Packaging*—Packaging materials include corrugated cardboard and a polyethylene plastic bag. These materials are part of a closed-loop recycling system, for repeated recycling, 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.

### Manufacturing Process

- *Renewable Energy and Emissions*—The Mirra 2 chair and stool are manufactured at Herman Miller’s GreenHouse seating operations in West Michigan using 100 percent renewable energy via renewable energy credits and a power purchase agreement. No air or water emissions are released in Mirra’s production.



## Environmental Product Summary

# Mirra 2

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- The GreenHouse is also a LEED Pioneer building.
- *ISO*—The GreenHouse is within the scope of Herman Miller's ISO 14001 certified environmental management system.
- *Worker Health and Safety*—Herman Miller strives to meet or exceed OSHA standards. The GreenHouse is within the scope of Herman Miller's OHSAS 18001 certified safety management system.

### Product Performance

- Easy assembly for cost-efficiency and quick parts replacement.
- Easy disassembly for recyclability.
- Designed for durability, an important environmental criterion.
- 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](http://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

Mirra 2 may contribute to LEED credits due to its returnable/reusable packaging, durability, pre-consumer and post-consumer recycled content. Depending on location, Mirra 2 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.

### rePurpose<sup>SM</sup> 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](mailto: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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Cradle to Cradle Certified is a trademark of Cradle to Cradle Products Innovation Institute. Global GreenTag<sup>SM</sup> GreenRate™ Level A Certification is an Australian Competition.

\* The environmental data provided is representative of MRF123AWAFAJ.

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