



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

The Keyn Chair Group by Herman Miller™

Design Story:

The Keyn Chair Group, designed by the London firm for people, is a collection of meeting and side chairs for collaborative spaces with a sliding one-piece seat and back that offers immediate comfort. Observations of meetings showed that people continuously shift in their seats, leaning forward or stretching back, typically up to 53 times an hour, so early on in the process, the designers knew they wanted the chair to move. People expect movement in their task chair, so it made perfect sense that a chair for collaborative spaces should support and respond to those movements too.

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 Keyn Chair Group is level 2 certified. 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.

GREENGUARD Certified

The Keyn Chair Group 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*

The Keyn Chair Group components are constructed from aluminum, foam, plastic, and steel.

The Keyn 4-Star Base Chair is up to 70 percent recyclable based on availability of recycling facilities. The Keyn 4-Leg Base Chair without Arms is up to 95 percent recyclable based on availability of recycling facilities. The Keyn 4-Leg Base Chair with Arms is up to 96% recyclable based on availability of recycling facilities.

The Keyn 4-Star Base Chair is comprised of 57-percent recycled materials. This figure breaks down to 56-percent post-consumer and 1-percent pre-consumer recycled content. The Keyn 4-Leg Base Chair without Arms is comprised of 19-percent recycled materials. This figure breaks down to 16-percent post-consumer and 3-percent pre-consumer recycled content. The Keyn 4-Leg Base Chair with Arms is comprised of 18% recycled materials. This figure breaks down to 15-percent post-consumer and 3% -percent pre-consumer recycled content.

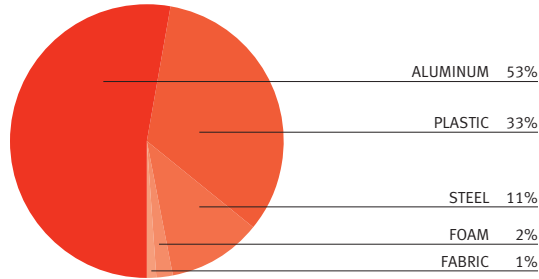


Environmental Product Summary

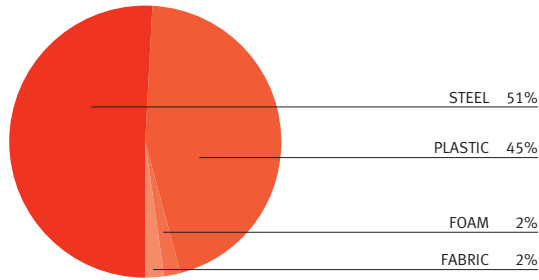
The Keyn Chair Group by Herman Miller

Material Content

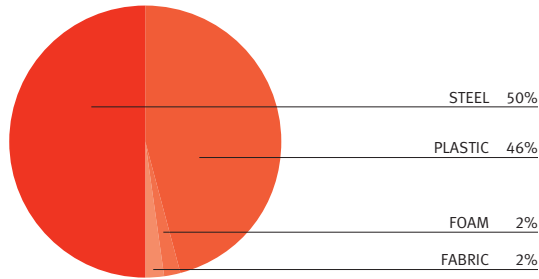
Keyn – 4-Star Base Chair



Keyn – 4-Leg Base Chair without Arms

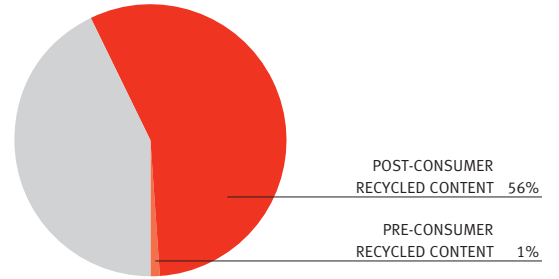


Keyn – 4-Leg Base Chair with Arms

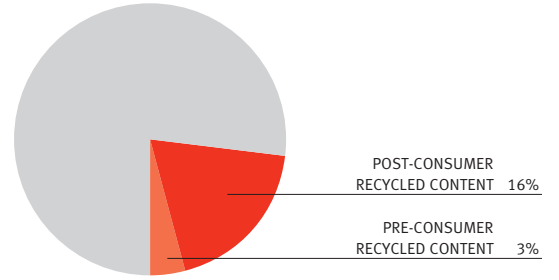


Recycled Content

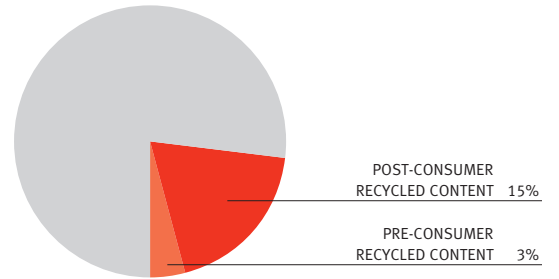
Keyn – 4-Star Base Chair



Keyn – 4-Leg Base Chair without Arms



Keyn – 4-Leg Base Chair with Arms



- Steel components contain approximately 37 percent recycled content and are 100 percent recyclable.
- Die-cast aluminum components are typically made from more than 85-percent recycled material 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.

- *Returnable/Recyclable Packaging*—Packaging materials include corrugated cardboard and a polyethylene plastic bag. 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.



Environmental Product Summary

The Keyn Chair Group by Herman Miller

Manufacturing Process

- *Renewable energy and Emissions*—The Keyn Chair Group is 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 The Keyn Chair Group's production.
- 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.

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

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