

Herman Miller’s environmental advocacy is long-standing and comprehensive. Since the 1950s, we have been, in the words of founder D.J. De Pree, “stewards of the environment.” Today over 400 employees play a direct role in the work of 9 different environmental groups engaged in efforts from improving air quality and reducing waste to green energy, LEED certification, and design for the environment.



Environmental Product Summary

CELLE® CHAIR

Design Story: The Next Chapter in Ergonomic, Sustainable Seating

The Celle chair brings a new standard of comfort and support to the work seating market. As conceived and designed by Jerome Caruso, Celle’s defining feature is its Cellular Suspension™, a new concept that uses pliable molded polymer “cells” and loops to responsively flex in concert with the body’s movements throughout the workday.

Durable, easy to maintain, and packed with an impressive list of ergonomic features, Celle also is exceptionally earth-friendly, thanks to input from Herman Miller’s Design for the Environment team. Among its many notable DfE qualities is Celle’s ease of disassembly—it can be taken apart in less than five minutes, using common hand tools—for a truly recyclable work chair.

Herman Miller’s Design Protocol

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

Cradle-to-Cradle goes beyond regulatory compliance to thoroughly evaluate new product designs in three 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?

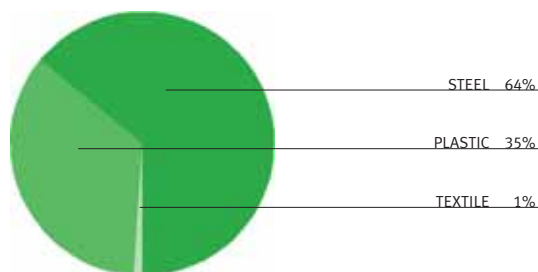
MBDC C2C Certification

The Celle chair is MBDC cradle-to-cradle certified, which means that

- Herman Miller has instituted strategies for **social responsibility**.
- The use of renewable **energy** and energy efficiency; efficient use of **water**, and maximum water quality are associated with Celle’s production.
- Celle is composed of environmentally safe and healthy **materials** and is designed for **material reutilization**, such as recycling.

Material Content

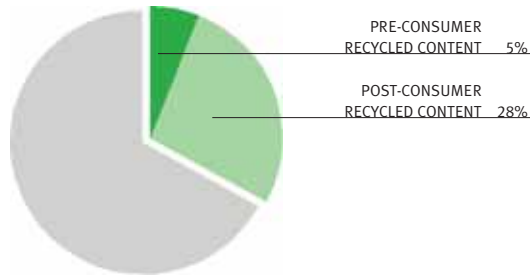
The Celle chair’s components are constructed from steel, plastic, and textile.



The Celle chair is up to **99 percent recyclable** at the end of its useful life.

Celle is comprised of **33-percent recycled** materials. This figure breaks down to 28-percent post-consumer and 5-percent pre-consumer recycled content.

CELLE® CHAIR



- Every material has been scrutinized down to the molecular level.
- Steel components are 100 percent recyclable.
- Most metal components have a powder-coat paint finish that emits 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.
- Celle’s optional polyester textile seat cover can be recycled at the end of its useful life.
- *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.

Manufacturing Process

- *Green Energy and Emissions*—The Celle chair is manufactured at Herman Miller’s GreenHouse seating operations in West Michigan using green energy. Herman Miller is committed to the use of 100-percent renewable energy by the year 2020. The company is similarly committed to achieving a goal of zero air and water emissions from manufacturing by 2020.
- *Waste*—All solid wastes are recycled to the greatest extent possible.
- *Worker Health and Safety*—Herman Miller strives to meet or exceed OSHA standards.
- *ISO*—Celle is manufactured in West Michigan at an ISO 14001-certified site.
- This plant also is a LEED Pioneer building.

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.

Indoor Air Quality

The Celle chair is GREENGUARD™ certified as a low-emitting product that meets current indoor air quality standards. GREENGUARD-certified products also meet the emissions requirements of the State of Washington Furniture Systems criteria and the U.S. EPA Procurement Guidelines for Office Furniture.

Corporate Environmental Policy

For more information on Herman Miller’s Corporate Environmental Policy and other environmental efforts, see our Environmental Advocacy booklet, or visit the “Environment” section of www.HermanMiller.com.

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 Celle chair may contribute to LEED credits due to its returnable/reusable packaging, durability, pre-consumer and post-consumer recycled content. Depending on project location, Celle also may contribute to a LEED Regional Materials credit. Please contact your Herman Miller representative for detailed LEED credit sheets.

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.