

Our sustainability goals by the year 2020:

- Zero landfill
- Zero hazardous waste generation
- Zero air emissions (VOCs)
- Zero process water use
- 100 percent green electrical energy use
- Company buildings constructed to a minimum LEED Silver certification
- 100 percent of sales from DfE approved products



## Environmental Product Summary

# SETU™ CHAIRS

### Design Story: Next Generation Multipurpose Seating

The Setu family of chairs was created for how we work and live now. Designed in partnership with Herman Miller by Studio 7.5 from Berlin, Germany, Setu sets new standards of simplicity, adaptability, comfort, and dematerialization for multipurpose seating.

The core of Setu is the Kinematic Spine™, a combination of two simple polypropylene materials that are precisely engineered to achieve instant comfort, for nearly everybody. You are fully supported the moment you sit down, and the spine bends and flexes to your every move. With no tilt mechanism and only one adjustment (height), chair components are minimized. The chair is dematerialized, lightweight, and easy to use.

### 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 Design Chemistry (MBDC) Cradle to Cradle<sup>SM</sup> Design Protocol.

Cradle to Cradle Design Protocol 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?

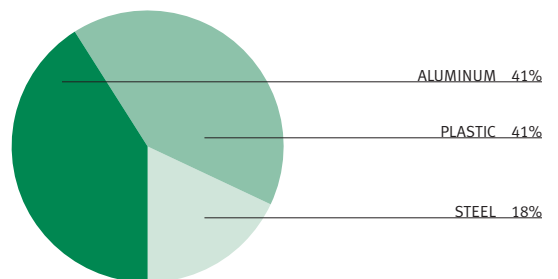
### MBDC Cradle to Cradle Certification

MBDC Cradle to Cradle certification is pending for Setu. Setu is composed of environmentally safe and healthy materials, is designed for material reuse in a closed-loop system, such as recycling or composting, and is assembled using 100% renewable energy.

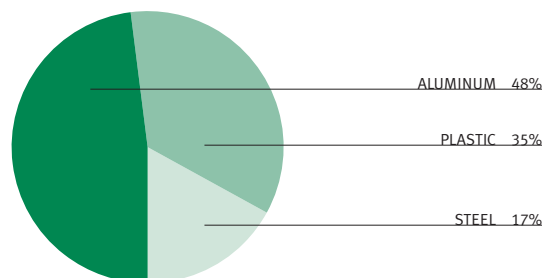
### Material Content

The Setu chair's components are constructed from aluminum, plastic, and steel.

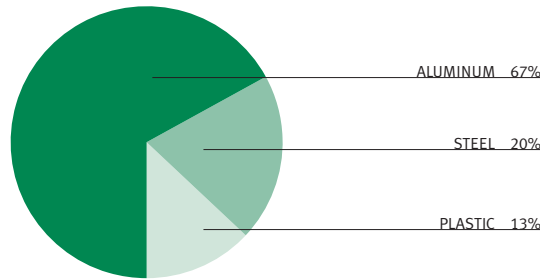
### Multipurpose Chair



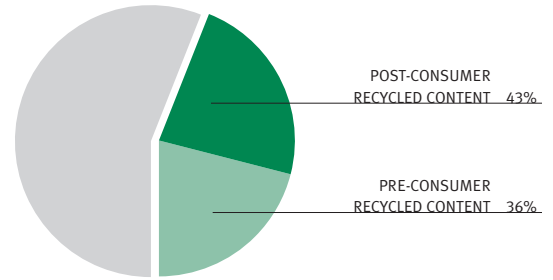
### Lounge Chair



**Ottoman**



**Ottoman**

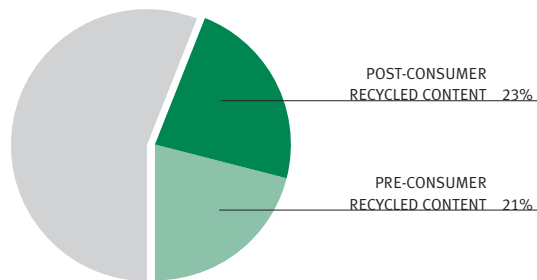


The Setu multipurpose chair is up to **93 percent recyclable** at the end of its useful life. The Setu lounge chair is up to **90 percent recyclable** at the end of its useful life. The Setu ottoman is up to **98 percent recyclable** at the end of its useful life.

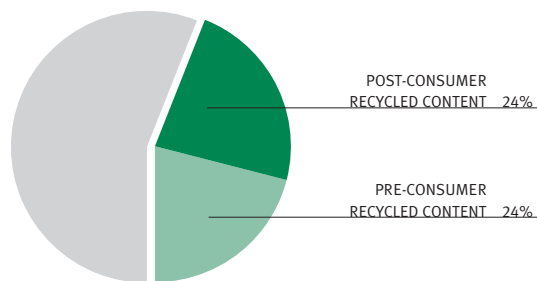
The Setu multipurpose chair is comprised of **44-percent recycled** materials. This figure breaks down to 23-percent post-consumer and 21-percent pre-consumer recycled content. The Setu lounge chair is comprised of **48-percent recycled** materials. This figure breaks down to 24-percent post-consumer and 24-percent pre-consumer recycled content. The Setu ottoman is comprised of **79-percent recycled** materials. This figure breaks down to 43-percent post-consumer and 36-percent pre-consumer recycled content.

- Every material has been scrutinized down to the molecular level.
- Steel and aluminum components are 100 percent recyclable.
- The aluminum is a special grade that does not require any type of protective finish.
- Plastic components are identified with an ASTM recycling code whenever possible, to aid in returning these materials to the recycling stream.
- No polyvinyl chloride (PVC) used.
- The chair is dematerialized which uses less material and is very light.
- *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.

**Multipurpose Chair**



**Lounge Chair**



**Manufacturing Process**

- *Green Energy and Emissions*—Setu is manufactured on a production line that utilizes 100-percent green power, 50 percent from wind turbines, and 50 percent from captured landfill off-gassing. No air or water emissions are released in Setu’s production.
- *ISO*—Setu is manufactured in West Michigan at an ISO 14001-certified site.
- This plant also is a LEED Pioneer building.
- *Worker Health and Safety*—Herman Miller strives to meet or exceed OSHA standards.

## 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 Setu 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 brochure, or visit the "Environment" section of [www.HermanMiller.com](http://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

Setu may contribute to LEED credits due to its returnable/reusable packaging, durability, pre-consumer and post-consumer recycled content, and GREENGUARD certification. Depending on project location, Setu also may qualify to 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.