



EMBODY™ CHAIR

 Herman Miller

### Overview

- …✦ McDonough-Braungart Cradle-to-Cradle protocol
- …✦ Embody contains 42% recycled material
- …✦ At the end of its life, it is 95% recyclable
- …✦ Manufactured to ISO 14001
- …✦ 12 year, 24 hour warranty
- …✦ GREENGUARD™ certified

POLICY

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In 1953 our founder, DJ De Pree, stated  
'We will be good stewards of the environment.'  
Since then accountable practice and production  
has been and always will be our policy.

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

# EMBODY™ CHAIR

## Design story: Chair for the body and the mind

The Embody story began in the design studio of Jeff Weber and the late Bill Stumpf. They had an idea: “What if a chair could positively impact people so they can work and live better?” As Embody’s designer, Weber gave the chair its function and form, building on Stumpf’s inspiration. Their idea arose out of their approach to design. “You can’t design without empathy,” says Weber, who thrives on projects that involve the human experience.

Designed specifically for people who sit at their computers, Embody’s form is driven by its health-positive features: an instinctive back that fits the unique spinal curvature of each user; Pixelated Support™, which distributes the user’s weight to help keep blood circulating; a narrow backrest that lets users move their arms freely; and the Embody tilt, which encourages seated movement. These innovations provide computer users with the support they need to keep their eyes aligned with their visual display, no matter what seated posture they’re in. A new reference for comfort, Embody supports people intuitively, allowing them to be undistracted and focus on their work.

## Herman Miller’s design protocol

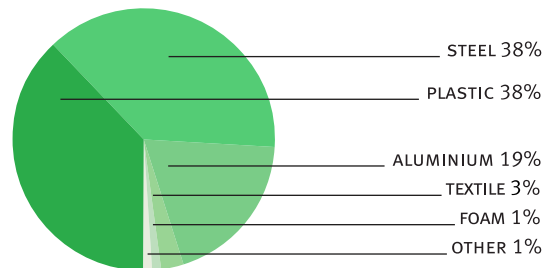
Our commitment to corporate sustainability naturally includes minimising the environmental impact of each of our products. Our Design for the Environment team (DfE) applies environmentally sensitive design standards to both new and existing Herman Miller products, utilising the McDonough-Braungart Cradle-to-Cradle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

Cradle-to-Cradle goes beyond regulatory compliance to thoroughly evaluate new product designs in three key areas:

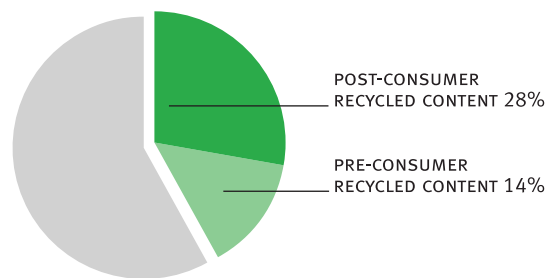
- *Material Chemistry and Safety of Inputs*—What chemicals are in the materials we specify, and are they the safest available?
- *Disassembly*—Can we take products apart at the end of their useful life, to recycle their materials?
- *Recyclability*—Do the materials contain recycled content, and more importantly, can the materials be recycled at the end of the product’s useful life?

## Material content

The Embody chair’s components are constructed from aluminium, steel, plastic, and foam/textile.



Embody is comprised of **42 percent recycled** materials. The recycled content breaks down to 28 percent post-consumer and 14 percent pre-consumer content.



The Embody chair is up to **95 percent recyclable** at the end of its useful life.

# EMBODY™ CHAIR

- All die cast aluminium components are made from 100 percent recycled material.
- Aluminium components can be segregated and returned to the recycling stream as a technical nutrient.
- Steel components contain approximately 25 percent recycled content and are 100 percent recyclable as a technical nutrient.
- 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.
- The seat frame and back contain over 60 percent recycled content, made from approximately 50 recycled two-litre plastic beverage bottles per chair.
- Foam and textile materials are part of an open-loop system and can be recycled into everything from automotive components to carpet padding at the end of their current life.
- *Returnable/Recyclable Packaging*—Packaging materials include corrugated cardboard and a polyethylene plastic bag; each is part of a closed-loop recycling system, for repeated recycling.
  - Whenever possible, shipments between Herman Miller and its suppliers include the use of pallets and other returnable packaging to minimize waste.
  - On large orders, disposable packaging can be replaced with reusable shipping blankets.

## Manufacturing process

- *Green Energy and Emissions*—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*—Embody is manufactured in West Michigan and UK at ISO 14001-certified sites.

## HMPS

Herman Miller's commitment to operational excellence lead to an aggressive drive to reinvent its operations and established a fruitful relationship with the Toyota Supplier Support Centre. Through the Herman Miller Production System (HMPS), the company has dramatically reduced manufacturing space and inventories, cut lead times for standard product, and grown sales and profitability. HMPS minimises wasted effort, energy and materials, and plays an important part in Herman Miller's ongoing commitment to a better environment.

## Product performance

- Easy assembly for cost-efficiency and quick parts replacement.
- Easy disassembly for recyclability.
- Number One design and environmental criteria: Durability.
- Backed up by Herman Miller's 12-year, 24 hour warranty.

## Indoor air quality

The Embody 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, visit the 'Environment' section of [www.hermanmiller.com/europe](http://www.hermanmiller.com/europe)

## 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 minimise their operations' environmental impacts, but require they assist us in decreasing our facilities' negative environmental effects as well.