



Our sustainability goals by the year 2020:

- Zero carbon footprint
- 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

Abak® Environments

Design Story: Efficient, Adaptable, Globally Inspired

A proven success in Europe and Asia, Abak environments respond to the growing worldwide demand for an easily adaptable desking system that works in open environments. Thanks to its simple beam construction and wide variety of desktop designs, Abak is a practical, versatile option for companies large and small.

Abak's clean, crisp styling makes it a natural choice for modern workspaces everywhere, whether in private office, open plan, collaborative, or formal meeting area applications. Environmentally speaking, its standardized product platform and durability make Abak an adaptable and dependable system for the long haul.

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, utilizing the McDonough Braungart Design Chemistry (MBDC) Cradle to CradleSM Design Protocol.

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

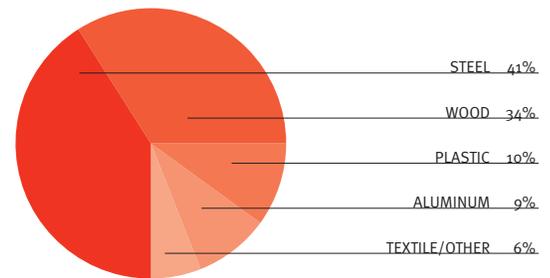
- *Material Chemistry and Safety of Inputs*—What chemicals are in the materials we specify, and are they the safest available?
- *Disassembly*—Can we take products apart at the end of their useful life, to recycle their materials?
- *Recyclability*—Do the materials contain recycled content, and more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

level® Certification

Abak is certified **level 1**. The **level** conformance mark ensures a comprehensive, independent, and impartial assessment of the environmental and social impacts of a product.

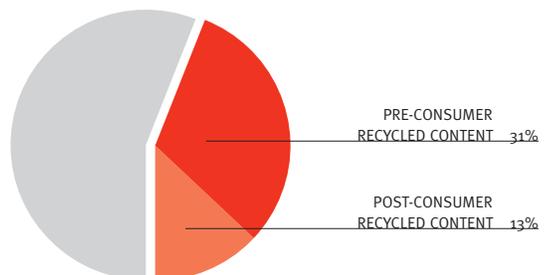
Material Content

Abak desking components are constructed from steel, wood, plastic, aluminum, and textile.



Abak is up to **56 percent recyclable** at the end of its useful life.

Abak is comprised of **44-percent recycled** materials. This figure breaks down to 13-percent post-consumer and 31-percent pre-consumer recycled content.





Environmental Product Summary

Abak® Environments

- Steel components contain approximately 33 percent recycled content and are 100 percent recyclable.
- Aluminum components are 100 percent recyclable.
- Most metal components have a powder-coat paint finish that emits negligible volatile organic compounds (VOCs).
- Wood, while not technically recyclable, can be cycled back to the natural environment, such as through composting. The wood content in our work surfaces and storage unit substrates is comprised of 100-percent reclaimed wood, as certified by the Composite Panel Associations EPP. This wood content is made primarily of sawdust generated by other wood process operations. Additionally, wood waste from our operations can be burned in our energy center, which generates steam that we use in our operations facilities.
- All veneers used are purchased from suppliers practicing sustainable forestry techniques.
 - Approximately 60-80 percent of veneers are derived from domestically grown woods, notably cherry.
 - Sustainably harvested, rapidly renewable bamboo work surface veneer is also available.
 - All veneers are adhered to the substrate with water-based glues to minimize air emissions.
- Plastic components are identified with an ASTM recycling code whenever possible, to aid in returning these materials to the recycling stream.
- Textiles used in Herman Miller products can be made from natural or synthetic fibers. Several textiles are available with 100 percent recycled content.
- 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, molded pulp, and expanded polystyrene foam. 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.

Manufacturing Process

- *ISO*—Abak is manufactured in West Michigan at an ISO 14001-certified site.
- *Worker Health and Safety*—Herman Miller strives to meet or exceed OSHA standards.

Product Performance

- Designed for minimal material use, reduced energy requirements, easy reconfiguration, and durability.
- Backed by Herman Miller's 12-year, 24/7 warranty.

Indoor Air Quality

The Abak environments desking system is GREENGUARD® certified as a low-emitting product that meets current indoor air quality standards.

Corporate Environmental Policy

For more information on Herman Miller's Corporate Environmental Policy and other environmental efforts, visit the "About Us – Environmental Advocacy" section of 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

Abak environments may contribute to LEED credits due to their returnable/reusable packaging, durability, pre-consumer and post-consumer recycled content, and GREENGUARD certification. Depending on location, Abak may contribute to a LEED Regional Materials credit. Please refer to <http://hermanmiller.com/ecoScorecard> or contact your Herman Miller representative for detailed LEED information.

It's important to note that no interior furnishings, individually or collectively, can guarantee a specific number of points for LEED certification.