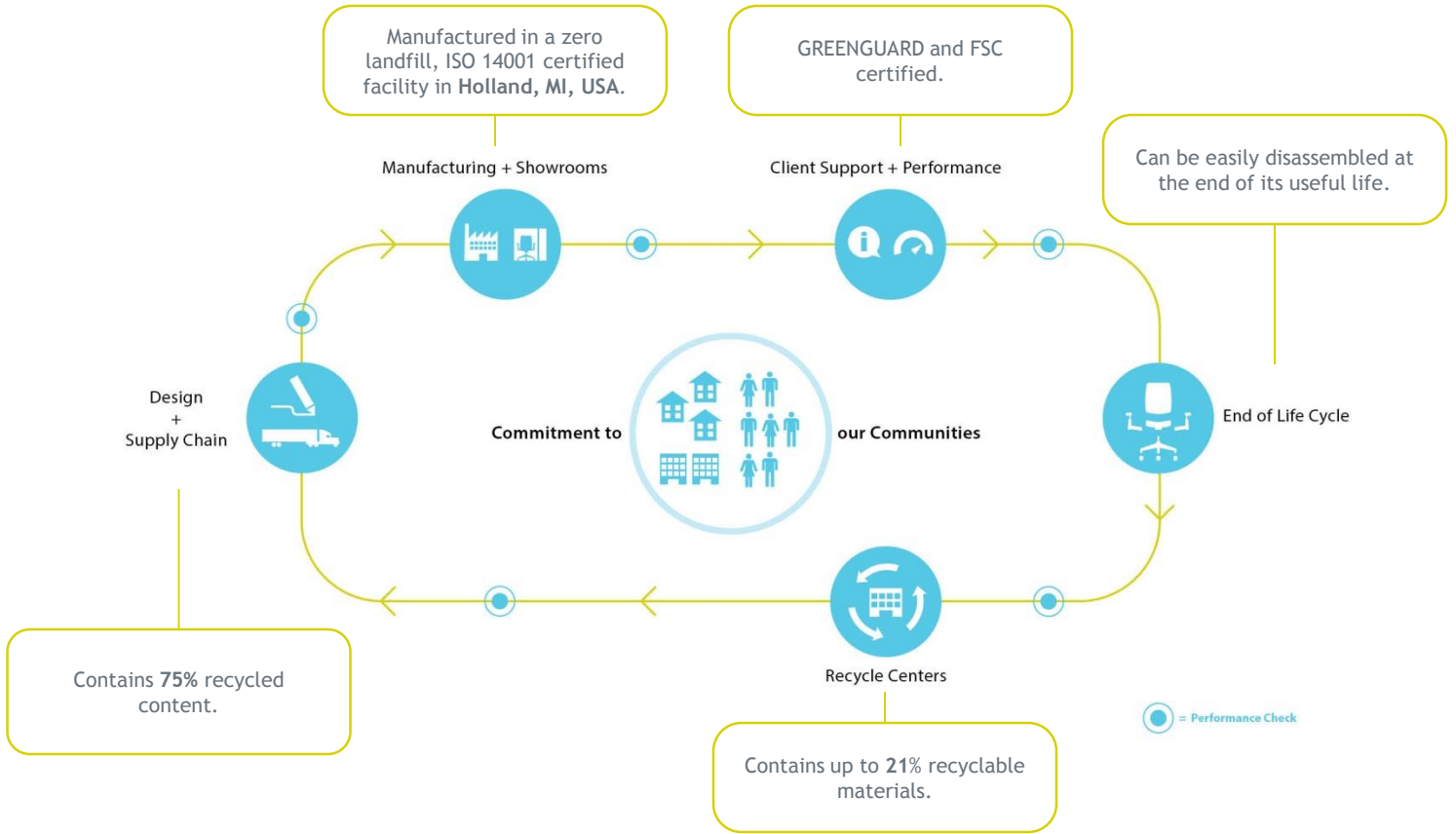


# 450 Series

PRODUCT CATEGORY: TABLES

## PRODUCT ENVIRONMENTAL DATA SHEET

SECTOR: NORTH AMERICA



## HAWORTH®

Flexibility surrounds the Haworth 450 Table line. With a range of table shapes and heights to support a variety of purposes, you'll find choices to support your collaboration needs.

### RECYCLED CONTENT

|                 | Material Weight         | Post-Consumer Recycled Content | Pre-Consumer Recycled Content |
|-----------------|-------------------------|--------------------------------|-------------------------------|
| Steel           | 032.0 lbs (21%)         | 06.3 lbs                       | 04.6 lbs                      |
| Particleboard   | 117.0 lbs (75%)         | 11.7 lbs                       | 93.6 lbs                      |
| Other materials | 006.1 lbs (04%)         | 00.0 lbs                       | 00.0 lbs                      |
| <b>Total</b>    | <b>155.1 lbs (100%)</b> | <b>18.0 lbs (12%)</b>          | <b>98.2 lbs (63%)</b>         |

PRODUCT SPECIFICATIONS



GREENGUARD certified  
Certification # 7071-410



Forest Stewardship Council® (FSC®)  
certified wood is available as standard  
product.  
Chain of Custody: SCS-COC-001218

MATERIAL CHEMISTRY

We believe that our products should be safe for humans and the environment. That's why we are working diligently to identify and eliminate chemicals of concern in the materials we source. While we have identified more than 870 chemicals that we plan to eliminate from our products throughout the next 10 years, we have identified 56 chemicals that we plan to eliminate by 2015.

These include, among others, PVC, benzidine dyes, ozone depletors, hexavalent chromium, certain hazardous phthalates, and PBDE flame retardants. We are committed to achieving this goal and being transparent with our customers about our progress.

LIFE CYCLE ASSESMENT (LCA) SUMMARY

Life Cycle Assessments (LCAs) are one tool which allows us to enhance the triple bottom line of Haworth products by identifying high environmental impact stages within our products' lifecycles. Haworth is committed to better understanding and reducing the impacts of our products and operations on the natural world.

At Haworth, we are committed to looking beyond carbon footprint by taking a detailed inventory of our product's impacts through LCA, including human and ecosystem toxicity, land use and water quality. Over the past several years, Haworth has conducted over 95 product life cycle assessments globally. Results of the LCA studies provide value in the identification of cost savings, improvement of design and material evaluation, advancement of procurement and transportation decision making, new product development criteria, as well as ultimately reducing Haworth's impact on the environment through continuous improvement efforts.

RECYCLABILITY & END OF LIFE MANAGEMENT

|                 | Material Weight         | Recyclable Content    |
|-----------------|-------------------------|-----------------------|
| Steel           | 032.0 lbs (21%)         | 32.0 lbs              |
| Particleboard   | 117.0 lbs (75%)         | 00.0 lbs              |
| Other materials | 006.1 lbs (04%)         | 00.0 lbs              |
| <b>Total</b>    | <b>155.1 lbs (100%)</b> | <b>32.0 lbs (21%)</b> |

Once a Haworth product reaches the end of its life, our product's end-of-life program ensures that customers have options (e.g., recycling, resale, refurbishment, and donation) to prevent it from being discarded into a landfill. To encourage recycling, we have published disassembly instructions for many of our products on the individual product pages. Our products have been intentionally built using highly-recyclable metals and plastics including steel, aluminum, polypropylene, and nylon.

We encourage our customers to contact us regarding end-of-life options in their region so that we can help them make the world a better place for future generations.

The polyethylene film and corrugated cardboard packaging materials used on 450 Series tables are both readily recyclable.

## LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED) v2009

**Interior Design and Construction (ID+C)**

|   |  |            |
|---|--|------------|
| MRC4: Recycled Content  | 450 Series contains 12% post-consumer and 63% pre-consumer recycled content.   | 1-2 points |
| MRC5: Regional Materials  | 450 Series is manufactured in Holland, MI, USA.                                | 1-2 points |
| MRC7: Certified Wood  | FSC certified wood available as standard product with some finish restrictions | 1 point    |
| IEQc4.5: Low-emitting materials - Systems Furniture and Seating | 450 Series is GREENGUARD GOLD certified as low-emitting.                       | 1 point    |

**Building Design and Construction (BD+C)**

|                          |  |            |
|--------------------------|--|------------|
| MRC4: Recycled Content   | 450 Series contains 12% post-consumer and 63% pre-consumer recycled content.   | 1-2 points |
| MRC5: Regional Materials | 450 Series is manufactured in Holland, MI, USA.                                | 1-2 points |
| MRC7: Certified Wood     | FSC certified wood available as standard product with some finish restrictions | 1 point    |

**Existing Buildings: Operations and Maintenance (EB:OM)**

|  |  |            |
|--|--|------------|
| MRC2: Sustainable Purchasing - Durable Goods | 450 Series contains greater than 20% post-consumer and 10% pre-consumer recycled content | 1-2 points |
|--|--|------------|

**Core and Shell Development (CS)**

|                          |  |            |
|--------------------------|--|------------|
| MRC4: Recycled Content   | 450 Series contains 12% post-consumer and 63% pre-consumer recycled content. | 1-2 points |
| MRC5: Regional Materials | 450 Series is manufactured in Holland, MI, USA.                              | 1-2 points |

To learn more about Haworth sustainability initiatives [click here](#).

Product Support

Visit [www.haworth.com](http://www.haworth.com) to find the Haworth dealer closest to you.

Environmental support

Contact [sustainability@haworth.com](mailto:sustainability@haworth.com)

## LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN® (LEED) v4

## LEED ID+C: Commercial Interiors | v4

|  |   |            |
|--|---|------------|
| MR109: Interiors life-cycle impact reduction                                 | Depending on products chosen, Haworth products can contribute to some of the design for flexibility strategies including; take back system, recyclable materials, flexible power distribution, moveable walls, or access flooring.  | 1-4 points |
| MR114: Building product disclosure & optimization- sourcing of raw materials | Haworth is a member of the UN Global Compact and published an annual Communication of Progress which contributes to Option 1: raw material source and extraction reporting. Haworth products also contain recycled content or FSC certified wood which contribute to Option 2: leadership extraction practices. | 1-2 points |
| IEQ112: Low-emitting Materials   | Haworth products is Greenguard certified which is compliant with ANSI/BIFMA Standard Method M7.1-2011.  | 1-3 points |

## LEED BD+C: New Construction | v4

|  |   |            |
|--|---|------------|
| MR114: Building product disclosure & optimization- sourcing of raw materials | Haworth is a member of the UN Global Compact and published an annual Communication of Progress which contributes to Option 1: raw material source and extraction reporting. Haworth products also contain recycled content or FSC certified wood which contribute to Option 2: leadership extraction practices. | 1-2 points |
| IEQ112: Low-emitting Materials   | Haworth products is Greenguard certified which is compliant with ANSI/BIFMA Standard Method M7.1-2011.  | 1-3 points |

To learn more about Haworth sustainability initiatives [click here](#).

Product Support

Visit [www.haworth.com](http://www.haworth.com) to find the Haworth dealer closest to you.

Environmental support

Contact [sustainability@haworth.com](mailto:sustainability@haworth.com)