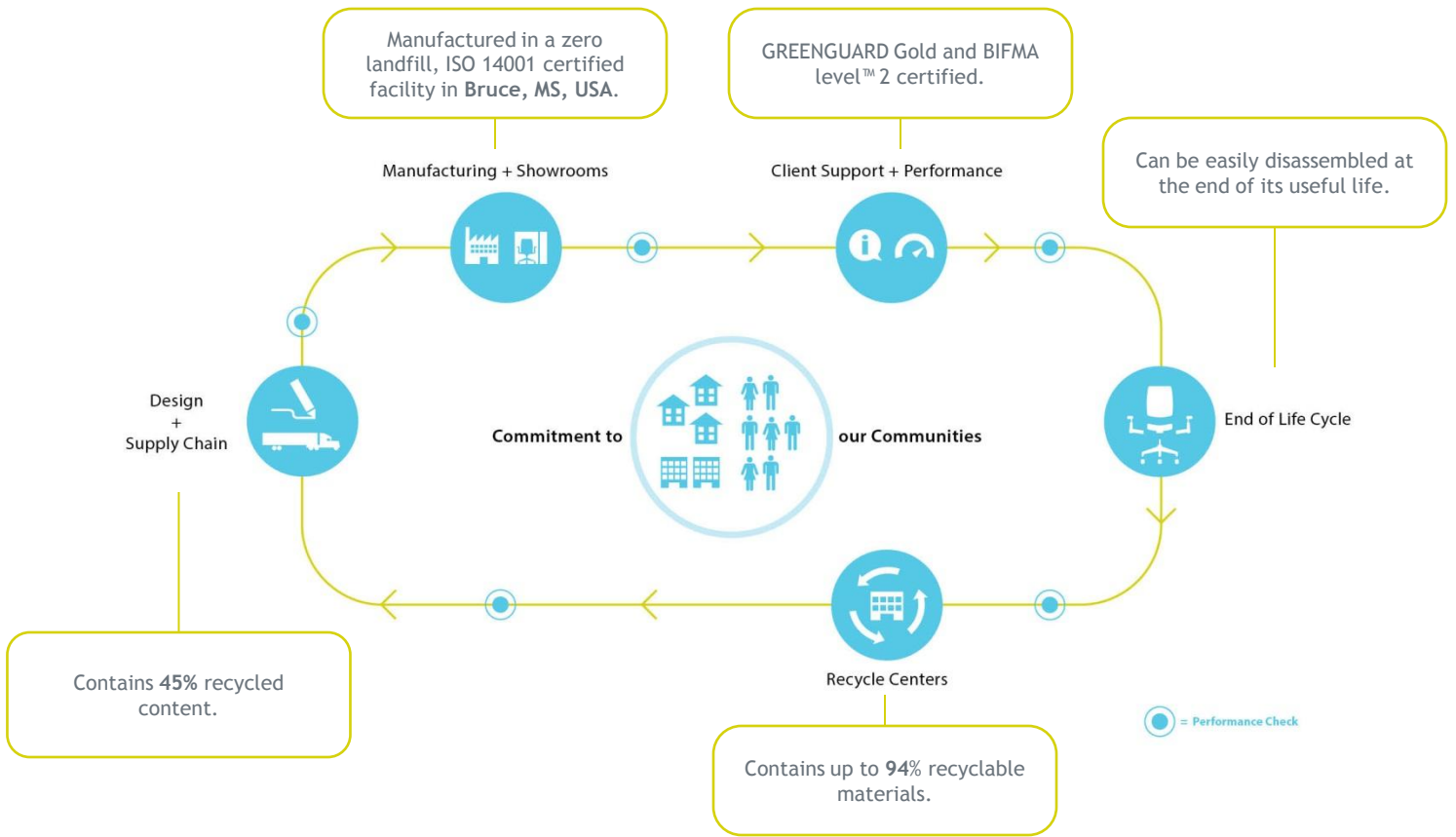


X99®

PRODUCT CATEGORY: SEATING

PRODUCT ENVIRONMENTAL DATA SHEET

SECTOR: NORTH AMERICA



HAWORTH®

The recycled content calculation is based on the X99 task chair with mesh back, aluminum base, hoop arms, and without lumbar support.

RECYCLED CONTENT

	Material Weight	Post-Consumer Recycled Content	Pre-Consumer Recycled Content
Aluminum	12.40 lbs (40%)	7.40 lbs	5.00 lbs
Plastic	9.80 lbs (32%)	0.00 lbs	0.00 lbs
Steel	6.00 lbs (20%)	1.00 lbs	0.40 lbs
Foam	1.20 lbs (4%)	0.00 lbs	0.00 lbs
Other materials	1.20 lbs (4%)	0.00 lbs	0.00 lbs
Total	30.60 lbs (100%)	8.40 lbs (27%)	5.40 lbs (18%)

PRODUCT CERTIFICATIONS



level™ 2 certified
 Certification # C0050452-119



GREENGUARD Gold certified
 Certification # 992-420

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.

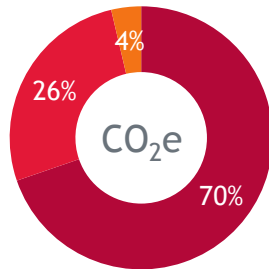
These include, among others, PVC, benzidine dyes, ozone depletors, hexavalent chromium, certain hazardous phthalates, and PBDE flame retardants. We are committed to achieving this goal and being transparent with our customers about our progress. Already, the X99 Task Chair is free of flame retardants.

LIFE CYCLE ASSESMENT (LCA) SUMMARY

Global Warming Potential	78.6 kg CO ₂ eq.
Acidification Potential	0.393 kg SO ₂ eq.
Eutrophication Potential	0.104 kg N eq.
Smog	7.51 kg O ₃ eq.

Impact by life cycle stage

- Materials & Manufacturing
- Transportation
- End of Life



*Impact assessment method: TRACI 2.1 v1.00 / US-Canadian 2008

RECYCLABILITY & END OF LIFE MANAGEMENT

	Material Weight	Recyclable Content
Aluminum	12.40 lbs (40%)	12.40 lbs
Plastic	9.80 lbs (32%)	9.80 lbs
Steel	6.00 lbs (20%)	6.00 lbs
Foam	1.20 lbs (4%)	0.00 lbs
Other materials	1.20 lbs (4%)	0.70 lbs
Total	30.60 lbs (100%)	28.90 lbs (94%)

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.

X99 plastic components are identified with recycling symbols and materials identification to assist in the recycling effort.

X99 is packaged in a polyethylene bag and corrugated cardboard box, both of which are readily recyclable. Blanket wrap options may also be available to reduce on-site packaging debris.

LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED®) v2009

Interior Design and Construction (ID+C)

MRC4: Recycled Content	X99 contains 27% post-consumer and 18% pre-consumer recycled content.	1-2 points
MRC5: Regional Materials	X99 is manufactured in Bruce, MS, USA.	1-2 points
IEQc4.5: Low-emitting materials - Systems Furniture and Seating	X99 is GREENGUARD Gold certified as low-emitting.	1 point

Building Design and Construction (BD+C)

MRC4: Recycled Content	X99 contains 27% post-consumer and 18% pre-consumer recycled content.	1-2 points
MRC5: Regional Materials	X99 is manufactured in Bruce, MS, USA.	1-2 points

Existing Buildings: Operations and Maintenance (EB:OM)

MRC2: Sustainable Purchasing - Durable Goods	X99 contains greater than 20% post-consumer and 10% pre-consumer recycled content	1-2 points
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Building Design and Construction (BD+C): Healthcare

MRC5: Furniture and medical furnishings	X99 complies with Option 1. X99, to the best of our knowledge, does not contain urea-formaldehyde, hexavalent chrome, PFCs or PFOA, heavy metals or added anti-microbial treatments. X99 is also Greenguard Gold certified.	1-2 points
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To learn more about Haworth sustainability initiatives [click here](#).

Product Support

Visit www.haworth.com to find the Haworth dealer closest to you.

Environmental support

Contact 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 are 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 are 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](#).

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HAWORTH®