

MANNO

Environmental
Sustainability



8600 Series

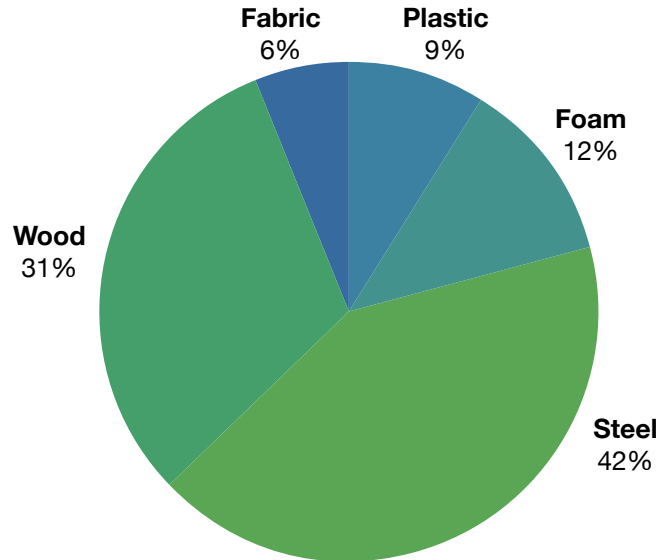
nightingalechairs.com

Manno | 8600 Series

ENVIRONMENTAL PRODUCT SUMMARY



Materials Breakdown



ENVIRONMENTAL STORY

Our future goal is to produce sustainable seating. Planet Nightingale is our environmental initiative. Our commitment to the environment is expressed in a variety of ways—from making smart choices when it comes to choosing materials and processes, to designing products that are simple, flexible, and durable. It's all about doing more with less.

Nightingale is proud to have developed and promoted an environmental policy long before government instituted mandatory recycling. We are committed to manufacturing our products utilizing methods and materials that help to reduce the adverse impact on our environment.

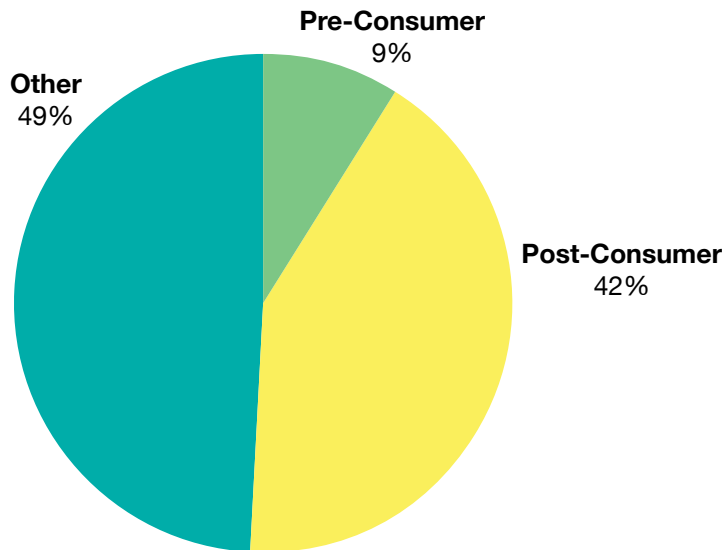
The basic elements of our plan are to use others' waste (recycled materials) or sustainable sources of raw materials to create our products, to ensure that our products are fully recyclable, to use as few resources as possible in the manufacturing process, and to ensure that we minimize or eliminate waste and emissions.

ENVIRONMENTAL DESIGN PROTOCOL

There's only one way to behave in this world: RESPONSIBLY. As we constantly improve and streamline our processes, we look for and take every opportunity to reduce, reuse, and recycle. To ensure that our operations have little to no negative impact on the environment, Nightingale engages in the following activities:

- We manufacture plastic and metal components that contain recycled materials.
- We use non-toxic, epoxy powder coat paints virtually free of all volatile organic compounds (VOCs) and ozone depleting substances (ODSs).
- All foam and urethane components used are manufactured without the use of CFC or HCFC blowing agents to help prevent further depletion of the Earth's ozone layer. Through improved quality control of raw materials and improved efficiency in the molding process, our foam waste has been virtually eliminated.
- The metal components in our products are die-cast aluminum or steel, both of which are 100% recyclable.
- Nightingale offers variety of fabric lines that have 100% recycled content.
- Wood suppliers in the US, Canada, and Europe are responsible partners in compliance with guidelines from the FSC, (Forest Stewardship Council), and its European counterpart, the PEFC.
- Made without Fire Retardent Chemicals (FRCs) in compliance with CAL 117-2013.

Recycled Content



51%
Recyclable

MANUFACTURING PROCESS

- Nightingale has successfully minimized waste material generated during the manufacturing process by adhering to and enforcing our ISO 9001 Quality Management Procedures both within our manufacturing facility and at our sub-contractors. Any materials or components that do not meet our quality standards are returned to our subcontractors for re-work or replacement.
- Nightingale initiated an extensive renovation program to our manufacturing facility that dramatically reduced our energy consumption and improved the health and safety within our building. Our power consumption needs were reduced by more than 30% by installing a completely new energy-efficient lighting and fan system throughout our entire manufacturing, warehousing, shipping and receiving areas.
- Nightingale takes great pride in manufacturing quality products that are designed to provide a longer lifespan of use than the industry average, providing that the end user takes reasonable care of the product. We believe that developing and manufacturing products that have an extensive life span reduces the frequency of products going to landfill after only a short period of use (ie. Imported off-shore seating products have a very short life span).

INDOOR AIR QUALITY

- The MANNO chair is GREENGUARD® Gold and e3 Level 2 certified as a low-emitting product that meets current indoor air quality standards.
- GREENGUARD® is recognized in LEED building rating systems
- Green Guide for Healthcare recognizes GREENGUARD®.
- All adhesives used by Nightingale are organic solvent-based that is biodegradable and utilized in glue spray booths that have ventilated filtration systems to ensure employee health and safety. All adhesive drums are recycled.
- It is our policy, where possible during our upholstery process, not to use glue. More and more, all newer designed chairs are moving away from glued upholstery production.

PRODUCT PERFORMANCE

- Chairs produced by Nightingale can be disassembled with basic tools for recycling purposes.
- Most all non-structural plastic parts we use contain recyclable materials.
- Easy assembly for cost-efficiency and quick parts replacement.
- Designed for durability, an important environmental criterion.
- Backed by Nightingale’s Lifetime Limited Warranty: all non-moving metal parts. 10 Years: Control mechanisms, casters, pneumatic cylinders, self-skinned urethane parts, and plastic shells. 5 Years: Upholsteries.

ISO 14001 & ISO 9001 CERTIFIED TB117-2013 COMPLIANT

Made in a 100% waste free manufacturing facility.



SUPPLIER SUPPORT

At Nightingale, we are committed to working closely with our suppliers to reduce our negative impact on our environment.

- Nightingale is a certified ISO 9001 approved company, and is in preparation stages of also being ISO 14001 certified. Nightingale and its suppliers apply every effort to be responsible partners in the protection of our environment.
- We also work very closely with our subcontractors to ensure that our products exceed government standards with regard to formaldehyde emissions. As a result, Nightingale is not required to affix warning labels to our products.

OUR PACKAGING

- We only purchase cardboard packaging that contains the highest possible post-consumer waste content (98% content).
- Nightingale only uses recyclable packaging materials such as corrugated boxes, cardboard fillers, paper carton tape, plastic bags and bubble wrap. The packaging contains 98% recycled paper content primarily sourced from post consumer waste.

OUR OFFICE GREEN PLANT

- Recycled materials are used in the daily administrative, promotional, and financial activities that occur as part of the daily operation of our business.
- We recycle all empty fax and printer ink cartridges.
- All leather waste is recycled.
- Any metal waste is recycled.
- All wood waste is recycled.
- Our factory has maintained a 100% waste free manufacturing facility since 2010.

LEED

CREDIT 2.1 - 2.2	Construction Waste Management	1-2 point(s)
CREDIT 3.3	Resource Reuse	1 point(s)
CREDIT 4.0	Recycled Content	1 point(s)
CREDIT 4.2	Recycled Content	1 point(s)
CREDIT 4.5	Low Emitting Materials, Systems & Seating	1 point(s)



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