Chipman Chair

landscapeforms®

Sustainability Data Sheet

With our roots in the landscape and a stated purpose to “Enrich Outdoor Spaces,” Landscape Forms has a special relationship to the natural environment. We have always been mindful that as we design and manufacture products that are acted upon by the environment, we act upon it in turn. Environmental sustainability is completely consistent with our purpose, our goals, our values and our principles. We make stewardship of the environment a vital part of our business.

To learn more about our sustainability initiatives, refer to our Environmental Statement.

Chipman Chair is manufactured using the following materials:

Material	Parts	Recyclable
Cast Aluminum	Seat, Back, Frame	100%
Nylon	Bumper	100%

Finishes

All metal is finished with Panga d II ® polyester powdercoat, which is lead-free, hazardous air pollutants-(HAPS) free, does not generate hazardous waste, and contains less than 1% VOCs. Once processed, these trace VOCs are fully inert therefore the finish does not release airborne contaminants.

Packaging Materials	Parts	Recyclable
Biodegradeable Plastic	Product Bagged to Protect Finish	100%
Recycled Skid		100%
Cardboard with 35% Recycled Content		100%

To find local recyclers visit: for aluminum: www.recyclealuminum.org; for steel: www.recycle-steel.org; for cardboard: www.corrugated.org.

LEED®

This product may help achieve the following points under the LEED 2009 Rating System. For specifics regarding rules for the inclusion of furniture, please consult the rating system and reference guide that applies to your project.

IEQ Prerequisite2 : Environmental Tobacco Smoke (ETS) Control

Intent

To prevent or minimize exposure of building occupants, indoor surfaces and ventilation air distribution systems to environmental tobacco smoke (ETS).

Benches, tables, chairs and ash urns help create designated smoking areas 25 feet or more from entries, outdoor air intakes and operable windows to support the intent of this prerequiste.

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Materials and Resources

MR Credit 4, Recycled Content

Intent

To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

Style	Post Consumer	Pre Consumer
Chair with Arms	18.5%	18,5%
Chair without Arms	18.5%	18.5%

Carbon Footprint

Unit	kg CO2
Chipman Chair	224

MR Credit 5, Regional Materials

Intent

To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation. This product is categorized as Furniture and Furnishings, Division 12. MR Credit 5 is to include only products in Division 2 – 10 of the (CSI) MasterFormat. At the option of the project, Division 12 may be included, but then must also be included consistently in mr credits 3 through 7.

This product is manufactured in our Kalamazoo, MI facility, zip code 49048. Many of our suppliers are located within a 500 mile radius of this facility, but they may source raw materials from multiple sources. If the project is within 500 miles of Kalamazoo and you wish to consider this product for MR Credit 5, please contact Landscape Forms prior to order placement to explore the possibility of specifying regionally sourced raw materials.

Care and Maintenance

The Chipman Chair is designed and engineered to live a long, useful life in outdoor spaces without the use of chemical cleaners to maintain the finish. The durability, longevity and low maintenance of our products contribute to responsible stewardship of the earth's resources.

All metal is finished with Landscape Forms' proprietary Pangard II® polyester powdercoat, a hard yet flexible finish that resists rusting, chipping, peeling and fading and requires no cleaning solvents once installed. Clean surface as needed using a soft cloth or brush with a mild detergent. Avoid steam cleaning, abrasive cleansers, carbon steel brushes/wools and cleaners containing chlorine. Outdoor use will require periodic finish inspection and maintenance. Inspect periodically for scratches, nicks and gouges. Touch-up paint is included with every order and can be used to repair minor nicks and scratches.

Statement of Verification of Product Carbon Footprint: *Landscape Forms Chipman Chair*

Verification Scope

Verification of the Product Carbon Footprint for the Landscape Forms ***Chipman Chair*** based on a Cradle-to-Grave Life Cycle Assessment according to ISO 14067:2018.

Verification Objectives

- Evaluate whether the ***Chipman Chair*** product carbon footprint is consistent with ISO 14067:2018 and ISO 14044.
- Evaluate the reasonableness of the ***Chipman Chair*** product carbon footprint based on a review of the project documentation, calculation procedures and data sources.
- Develop a Product Carbon Footprint Assurance Statement for the ***Chipman Chair***

Verification Criteria

- ISO 14064-3:2019 Greenhouse gases — Part 3: Specification with guidance for the verification and validation of greenhouse gas statements
- ISO 14067:2018. Greenhouse gases — Carbon footprint of products — Requirements and guidelines for quantification.
- ISO 14044:2006/AMD 1:2017/ AMD 2:2020 Environmental Management – Life cycle assessment – Requirements and Guidelines.

Total Product Carbon Footprint Verified

The total carbon footprint for the product is ***224 kg CO2e*** per functional unit of one (1) ***Chipman Chair***

Verification Opinion

SCS Global Services does hereby certify that an independent assessment has been conducted for Landscape Forms' Product Carbon Footprint of the ***Chipman Chair*** and verifies conformance to ISO 14067:2018.

Verification Date:
29 June 2023

Gerard Mansell, Ph.D.
Sr. Life Cycle Practitioner
SCS Global Services