

# Fern

## Seating

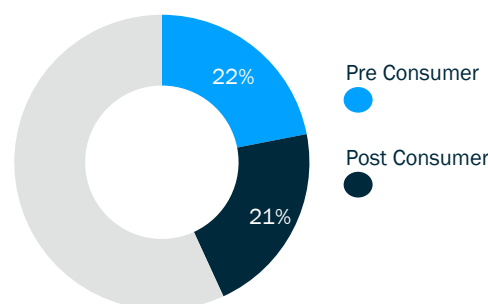
Grounded in extensive ergonomic research, Fern’s design puts the person at the centre with ergonomic innovations that provide total back support, edgeless comfort, and free movement. The result is a next-generation sitting experience that is distinctively responsive to each person.



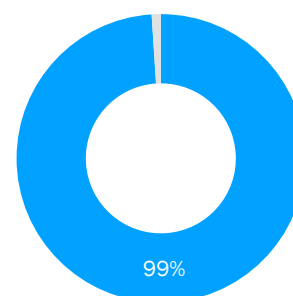
Fern is manufactured in a zero landfill, ISO 9001 and ISO 14001 certified facility in Portugal and Poland. This product can be easily disassembled at the end of its useful life. This product is designed to endure and is made of long-lasting, high quality materials. It has replaceable wearing parts for easy disassembly. When a product reaches the end of its useful life, customers and partners are encouraged to avoid landfilling and instead pursue second life options.

Material	Material Weight	
Plastic	8,1 kg	(38%)
Aluminum	7,5 kg	(35%)
Steel	3,7 kg	(17%)
Foam	1,3 kg	(6%)
Fabric	0,5 kg	(2%)
Surface Finish	0,2 kg	(1%)
Others	0,0 kg	(0%)
<b>Total</b>	<b>21,2 kg</b>	<b>(100%)</b>

### Recycled Content



### Recyclability



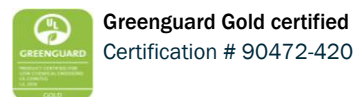
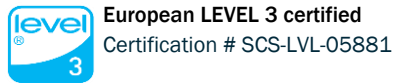
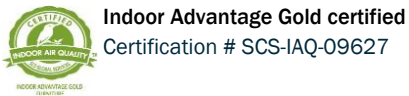
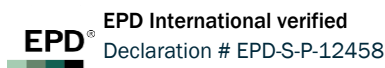
We believe that our products should be safe for humans and the environment and work diligently to identify and eliminate chemicals of concern in the materials we source. We consider applicable legal requirements (e.g. REACH, RoHS), sustainable product certifications, and our own standards as part of our sustainability strategy.

#### Fern material inventory:

- No Polyvinyl Chloride (PVC).
- No Persistent Organic Pollutants (POP).
- No heavy metals (hexavalent chrome, lead, mercury).
- Chlorofluorocarbons (CFC) not used as blowing agents for foam.
- No adhesives used to manufacture components.
- Metal parts are powder coated.
- Sustainable fabrics available (e.g., EU Ecolabel, Oeko Tex Standard 100).

Please note that calculations of recycled content are based on the displayed product configuration. Data is provided by suppliers (preferably), industry averages or other broadly based information. Our purpose is to provide the most accurate recycled content calculations possible but variability in market conditions or manufacturing processes may result in higher or lower content than indicated. Depending on the available waste management infrastructures, effective recyclability can be higher.

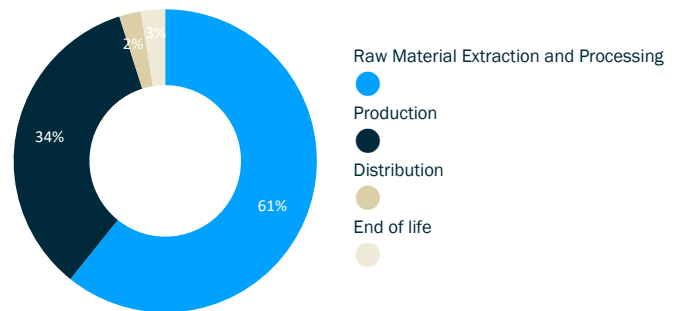
**Certifications**



**Life Cycle Assessment (LCA)**

Global warming potential, excl biogenic	110 kg CO <sub>2</sub> eq.
Acidification	0,30 kg SO <sub>2</sub> eq.
Eutrophication	0,020 kg N eq.
Smog	4,5 kg O <sub>3</sub> eq.
Ozone depletion	2,16E-07 kg CFC11 eq.

**Impact by Life Cycle Stage\***



\*Impact assessment method used is TRACI 2.1.

**Potential Sustainable Building Contributions**

Haworth products can contribute toward achieving sustainable building credits. Two of the most commonly used standards in the commercial furnishings industry are referenced here:

**Leadership in Energy & Environmental Design (LEED®) v4:**

**EQ Credit: Low-Emitting Materials**

Major products are GREENGUARD GOLD or Indoor Advantage Gold certified.

**MR Credit: Building Product Disclosure and Optimization**

**Material Ingredients: Option 1**

Material ingredient assessment per European LEVEL certification or manufacturer inventory for select products.

**Environmental Product Declarations: Option 1**

Internally reviewed product-specific Type III EPDs are available for select high-volume product lines.

**Sourcing of Raw Materials**

Recycled Content: Recycled materials disclosed in Material Section on p.1.

For potential contribution to additional ergonomic and design features, please reach out to your local Haworth representative.

**WELL Building Standard® v2:**

**Material Concept: X08 Hazardous Material Reduction**

EU Ecolabel or OekoTex Standard 100 certified textiles available. Products screened against RoHS restrictions.

**Material Concept: X10 Volatile Compound Reduction**

Part 1: Furnishings free of halogenated flame retardants.  
 Part 2: Products screened for presence of restricted phthalates.  
 Part 3: Major products are GREENGUARD GOLD or Indoor Advantage Gold certified.

**Material Concept: X11 Long-Term Emission Control**

Part 1: Major products are GREENGUARD GOLD or Indoor Advantage Gold certified.

**Material Concept: X14 Material Transparency**

Material ingredient assessment per European LEVEL certification or manufacturer inventory for select products.

**Movement Concepts: V02 Ergonomic Workstation Design and V07 Active Furnishings**

V02 Part 1: Height & angle adjustable computer monitor arms.  
 V02 Part 2, V07 Part 1: Height adjustable desks and tables.  
 V02 Part 3: Fully adjustable task seating products.