



4+



# Environmental Data Sheet

## Individual phases of the product life cycle



### Material Content:

- 4+ weighs 41 pounds.
- Starting with design, the overall quantity of materials required is reduced.
- Over 15% of all the materials used are recycled.
- The packaging consists of cardboard which is manufactured using recycled material and PE film (polyethylene film) which contains approximately 30 % recycled material.
- Breathable foams (PU), which are CFC and CHC free, are used.



### Production and Waste Management:

- Dauphin has been awarded the DIN EN ISO 14001 environmental certificate requiring that audits be carried out on sub-suppliers' premises and guarantees environmentally- friendly production.
- Fabric, foam scraps, and discarded cardboard packaging are bundled and recycled.
  - 4+ was developed in such a way to minimize waste, energy consumption and its impact on the environment.



### Transportation:

- We use an independent transportation company to deliver our products instead of our own fleet of trucks. By doing this, we avoid running empty vehicles to return to the factory after deliveries.
- Chairs are manufactured closest to the customer in order to reduce transportation costs: Dauphin operates nine production sites across Europe and North America.



### Product Performance:

- No environmentally-damaging effects occur while the product is being used.
- Changeable upholstery is used in order to increase the life cycle of the product.
- All components can be replaced and some of them can be retrofitted.
- Care and servicing instructions are included in the user manual.



### Cradle to Cradle:

- Full return recycle guarantee: once the chair is no longer needed, we take it back and recycle its parts.
- All larger individual recyclable parts are marked.

## Part of our system of value

Inspired by the unspoiled environment around our Offenhausen world wide headquarters, we attach great importance to preserving nature. We view environmental care and the need for sustainability as a management responsibility, and consistently practice this in the areas of sales, development, manufacturing and service. In recognition of this, we are certified in accordance with DIN EN ISO 14001 which is given to organizations that work to minimize harmful effects on the environment caused by the company's activities, and to achieve continual improvement of its environmental performance.

We accurately observe and document the raw materials and energy supplied to our company, the types and amounts of waste and waste water produced, air emissions and energy consumption in all areas and this is fundamental to our environmentally-friendly company management. Thanks to these analyses, we are able to make comparisons and take specific action against any environmental pollution at any time.

Due to the modular construction of our range of products, we have been able to ensure that raw materials are used optimally. Our thorough quality assurance procedures make certain that our products are durable and as a result, a great contribution towards protecting the environment is made. Our objective is to avoid possible environmental problems through our own actions and to promote sustainable consumption and future-oriented lifestyles.

The management and employees at the Dauphin HumanDesign® Group live and work with awareness of the need to make continuous improvements and are committed to our journey to protect the environment.

### 4+ consists of over 15% of recycled material

10% Post-consumer content  
5% Pre-consumer content



95% of 4+'s components  
are recyclable at the end of  
product life

## Material Content

The following details are approximate values and may vary depending on the specification of the model in question.

Material	Lbs	%	Material	Lbs	%	Additional materials	Lbs	%
Metal	20	49	Plastic	21	51	PE (for packaging)	0.6	1.4

### Indoor Air Quality (IAQ)

The 4+ chair comprises components which are low-emitting and meet current indoor air quality standards.

### BIFMA and BIFMA SAS

As a member of BIFMA, Dauphin's products are regulated for Scope, Definitions, General Sections and durability. We are also committed to meeting BIFMA Sustainability Assessment Standard (SAS) for business and institutional furniture which includes criteria for evaluating human & ecosystem health, energy, natural resource and corporate social responsibility impacts.

### VOC's

Most metal components have a powder-coat paint finish and contain no VOCs and all adhesives used are VOC free.

### LEED Credits

The 4+ chair may qualify for LEED credits due to its packaging, use of rapidly renewable materials and low-emitting materials.

#### LEED MR Credit 2.1

#### 1 LEED point

Intent: Reduce the amount of packing material delivered to the site. We make our own cartons that are the approximate size of the chair and therefore eliminate the need for additional materials and inserts. LEED points are subject to LEED's assessment.

#### LEED EO Credit 4.5

#### 1 LEED point

Intent: Low-Emitting Materials  
All Dauphin products meet indoor air quality standards and may be certified through association of previously tested product. LEED points are subject to LEED's assessment.