# Eames Plastic Chair RE

## Environmental product passport



The information in this product passport is only valid for the following variant:

Eames Plastic Chair RE - DSW – Art. no. 440 305 00

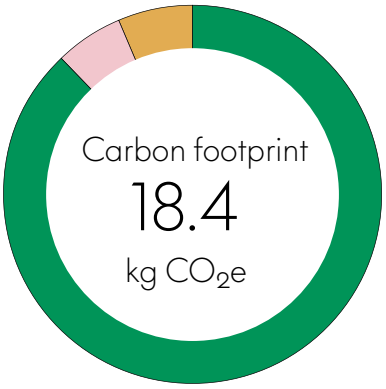
For additional information about Eames Plastic Chair RE - DSW, visit our website

More details about Vitra's environmental mission are available at vitra.com/about-vitra.

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# Carbon footprint

The carbon footprint stands for the amount of greenhouse gas emissions (also referred to as carbon emissions) generated throughout a product's entire life cycle. The carbon footprint is most commonly expressed in $CO_2$ equivalents ($CO_2e$) as a standard measure for the warming effect of all greenhouse gases.




| | | | |
|---|---|---|---|
| ● | Raw materials, incl. extraction, processing and manufacturing | 16.2 | 88.0% |
| ● | Transport and installation | 1.1 | 5.8% |
| ● | End-of-life and disposal | 1.1 | 6.3% |
| **Total / kg $CO_2e$** | | **18.4** | **100%** |

This calculation includes emissions from direct suppliers (Tier 1).
Total may vary slightly from 100% due to rounding.

# Recycling

Following the principle of the circular economy, Vitra uses the largest amount of recycled and recyclable materials possible. This proportion will increase as a result of ongoing product development.

65%
Recycled content

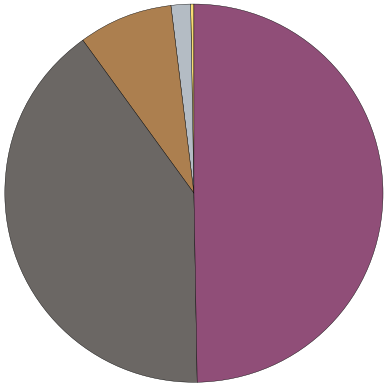
92%
Recyclability

| Post-consumer recycled content | Post-industrial recycled content | Total recycled content | Recyclability |
|---|---|---|---|
| 65% | 0% | 65% | 92% |

Further information including a glossary of terms is available at www.vitra.com/sustainability.

# Material Composition

Vitra uses a wide range of materials that must all withstand stringent internal and external testing procedures. If a new material is found that is better for the environment and meets Vitra's quality criteria, suitable products are executed in that material.



Materials used in
Eames Plastic Chair RE - DSW

| | |
|---|---|
| Polypropylene (glass-fibre reinforced) | 49.9% |
| Steel | 40.2% |
| Wood products | 8.1% |
| Aluminium | 1.7% |
| Polyamide | 0.1% |
| **Total** | **100%** |

Total may vary slightly from 100% due to rounding.

# Packaging and logistics

Vitra uses detailed information to elaborate targeted optimisation of transport routes. Preference is given to rail transport, and Vitra aims for the most efficient capacity management possible when using lorries.
Packaging serves to protect the product and minimise the transport volume. Packaging is reduced wherever possible and materials are optimised in terms of their impact on the environment.

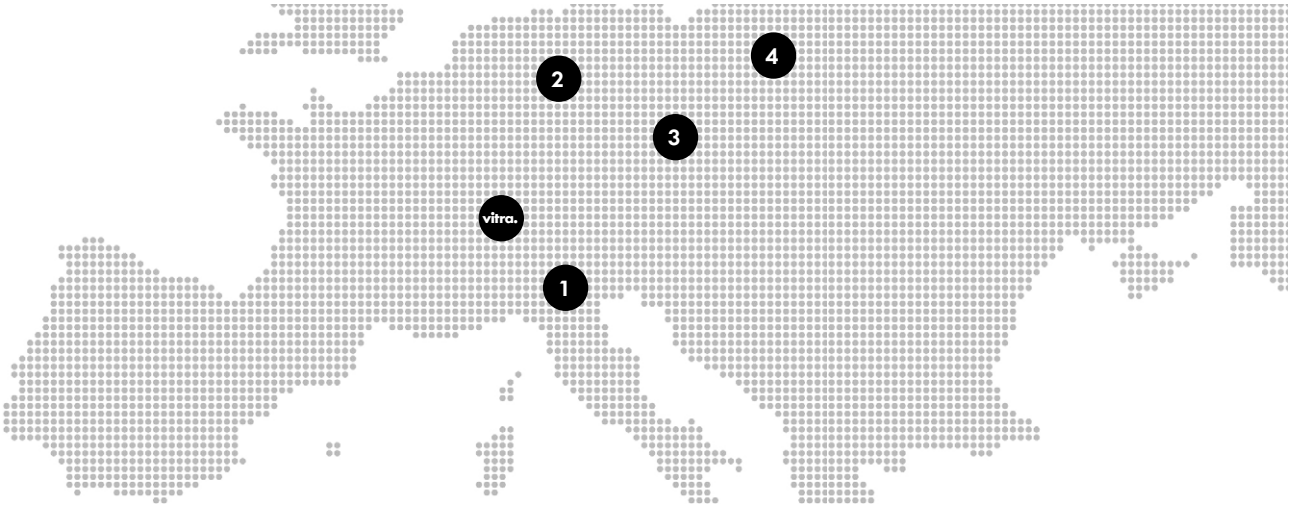
| Packaging and materials | Purpose | Weight |
|---|---|---|
| 1 plastic bag made of min. 50% recycled polyethylene | Protection from dust, humidity and scratches | 100 g |
| Cardboard box, FSC-certified made of min. 50% recycled paper | Product protection and stackability | 550 g |

# Supply chain

Vitra purchases its raw materials and components almost exclusively from suppliers in Europe, which simplifies compliance with uniform statutory standards and shortens transport routes. Vitra maintains long-term relationships with many of its suppliers, some spanning several decades, which is a key advantage for the further development of products, technologies and materials.

100%
European suppliers

100%
assembled in Europe




This map and percentage calculation represents Vitra's direct suppliers (Tier 1). Total may vary slightly from 100% due to rounding. Percentages by weight.

**Provenance of Components**

| **1 Italy** | 73.24% |
|---|---|
| Shell | 49.91% |
| Supporting rod* | 22.70% |
| Other components | 0.63% |

| **2 Germany** | 27.20% |
|---|---|
| Supporting rod* | 22.70% |
| Screws | 2.14% |
| Inlay | 1.65% |
| Other components | 0.71% |

| **3 Czech Republic** | 22.25% |
|---|---|
| Cross struts | 10.37% |
| Wooden leg* | 8.13% |
| Mounting bracket | 3.75% |

| **4 Poland** | 8.13% |
|---|---|
| Wooden leg* | 8.13% |

**Assembly**

| **vitra.** | |
|---|---|
| Weil am Rhein, Germany | 100.00% |

*Component is purchased in various countries.



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# Certificates

To offer transparency with regard to a product's most important environmental factors, Vitra provides certificates from external testing institutes. For this purpose, Vitra focuses on a selection of certificates that explicitly cover key elements of the respective product.

## Greenguard Gold

The GREENGUARD GOLD label for indoor air quality recognises products that contribute to the creation of healthier indoor environments.

Link to certificate

## GS

With the GS seal for tested safety, a state-authorised inspection institute certifies the suitability and safety of the construction and monitors production at regular intervals.

Link to certificate

## EPD

An EPD – environmental product declaration – provides transparency about the environmental impacts of a product throughout its life cycle, often referred to as life cycle assessment (LCA).

# Spare parts

Castors and glides can be ordered directly from the vitra.com website. Link to online shop
For other spare parts, please contact Vitra or your local Vitra partner.
Link to service contact form



# Care instructions

Here you will find care instructions for cover fabrics, leather, plastics and metals.
Link to website



# Warranty & maintenance

The general two-year warranty can be extended to ten years for Eames Plastic Chair RE.*
For matters relating to maintenance and repair or general enquiries, contact our Service Team using the following form.
Link to Service Team contact form



# Find Vitra

Here you can find the nearest Vitra location or a Vitra partner for local assistance.
Find Vitra



*For end customers by registering via https://www.vitra.com/warranty.
For corporate customers on request as part of the Customer Contract Policy.

# Further Information and Contact Details

The information in this product passport is only valid for the following variant:

Eames Plastic Chair RE - DSW – Art. no. 440 305 00

Plastic shell: Eames Plastic Side Chair, without upholstery
Base: Wood and wire base with cross struts
Base (new height): maple
Base colour: golden maple
Seat shell colour: pebble (RE)
Base on: glides basic dark for carpet

Source for Carbon Footprint:
Environmental Product Declaration. The EPD conforms to ISO 14025, 14040, 14044 and is externally verified.
Life Cycle Impact Assessment Results for one chair (functional unit), that is used for 15 years.
The system boundary is cradle-to-grave.

More about Eames Plastic Chair RE - DSW on our website

For questions relating to the environmental passport or other enquiries on the topic of sustainability, please contact us at sustainability@vitra.com.

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