Physix
Environmental Product

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

Physix - Art. no. 41721000

More about Physix on our website

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

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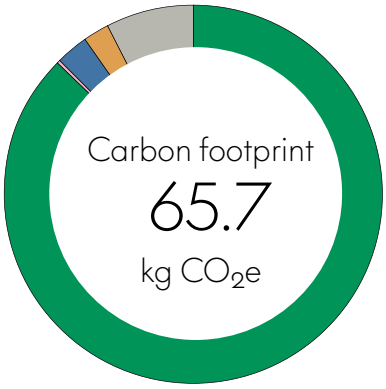
Carbon footprint

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 and processing	57.4	87.4%
●	Production, incl. manufacturing and assembly	0.1	0.1%
●	Distribution, use and maintenance	1.9	2.9%
●	End of life and disposal	1.4	2.1%
●	Non-attributable processes	4.9	7.5%
Total / kg CO_2e		**65.7**	**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.

58%
Recycled content

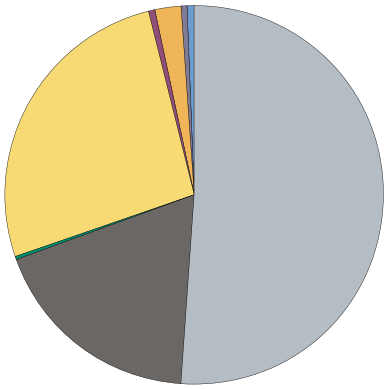
99%
Recyclability

Post-consumer recycled content	Post-industrial recycled content	Total recycled content	Recyclability
57%	1%	58%	99%

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 Physix

Aluminium	51.3%
Polyamide (glass-fibre reinforced)	26.5%
Steel	18.3%
Polyester	2.2%
Other	0.6%
Other thermoplastics	0.5%
Polypropylene	0.4%
Polyurethane	0.2%
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.

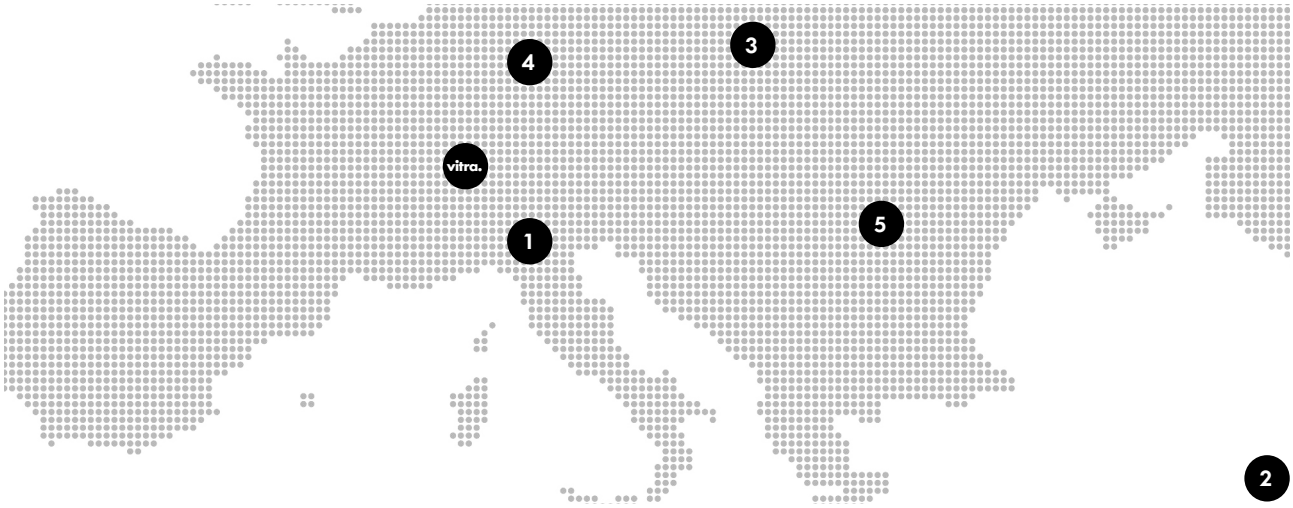
Packaging and materials	Purpose	Weight
1 plastic bag made of min. 50% recycled polyethylene	Protection from dust, humidity and scratches	210 g
Cardboard box, FSC-certified made of min. 50% recycled paper	Product protection and stackability	3.65 kg

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.

80%
European suppliers

100%
assembled in Europe



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

Provenance of Components

1 Italy	39.23%
Mechanical unit	32.09%
Base	6.68%
Other components	0.46%
2 Taiwan	19.96%
Backrest	19.96%
3 Poland	19.01%
Base	19.01%
4 Germany	12.77%
Armrests	6.09%
Castors	4.77%
Backrest and seat covers	1.46%
Other components	0.45%
5 Romania	8.81%
Gas spring	8.81%
6 Other countries	0.22%
Other components	0.22%

Assembly

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Weil am Rhein, Germany	100.00%

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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

The GREENGUARD 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

Ergonomics Approved

The 'Ergonomics Approved' certificate confirms the fulfilment of ergonomic requirements and testing criteria that exceed the minimum legal regulations for office swivel chairs.

Link to certificate

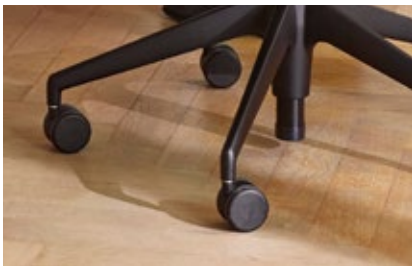
BIFMA

Physix fulfils the ANSI/BIFMA standard X5.1-2011, thus meeting the stringent safety requirements for the US market.

Link to certificate

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

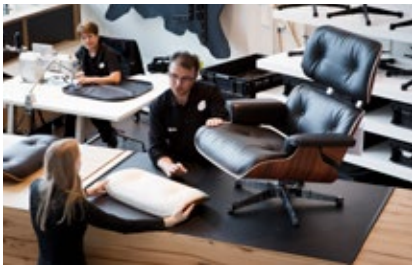


Care instructions

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

Warranty & Service

General two-year warranty on Physix.
For matters relating to maintenance and repair or general enquiries, contact our Service Team using the following form.
Link to service contact form



Find Vitra

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

Further information and contact details

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Aluminium base polished,
cover TrioKnit,
five-star aluminium base polished,
castors soft braked for hard floor

Source for Carbon Footprint:
Calculation in line with the Greenhouse Gas Protocol Product Life Cycle Accounting and Reporting Standard. Life Cycle Assessment Results for one chair (functional unit). The system boundary is cradle-to-customer plus end-of-life.

More about Physix on our website

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