

Mikado

Environmental product passport



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

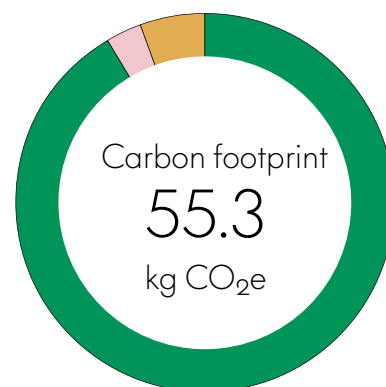
Mikado Side Chair – Art. no. 434 101 00

[For additional information about Mikado visit our website](#)

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

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 CO₂ equivalents (CO₂e) as a standard measure for the warming effect of all greenhouse gases.



●	Raw materials, incl. extraction, processing and manufacturing	50.5	91.4%
●	Transport and installation	1.7	3.1%
●	End-of-life and disposal	3.0	5.5%
Total / kg CO₂e		55.3	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.

55%
Recycled content

73%
Recyclability

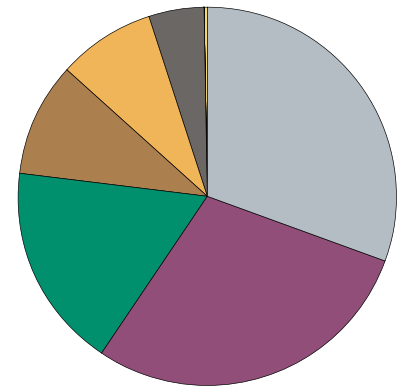
Post-consumer recycled content	Post-industrial recycled content	Total recycled content	Recyclability
55%	0%	55%	73%

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.

Aluminium	30.63%
Polypropylene (glass-fiber or talkum reinforced)	28.99%
Polyurethane	17.49%
Wood products	9.79%
Polyester	8.17%
Steel	4.67%
Polyamide (partially glass-fiber reinforced)	0.22%
Other thermoplastics	0.02%
Others	0.02%
Total	100%



Materials used in Mikado

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.

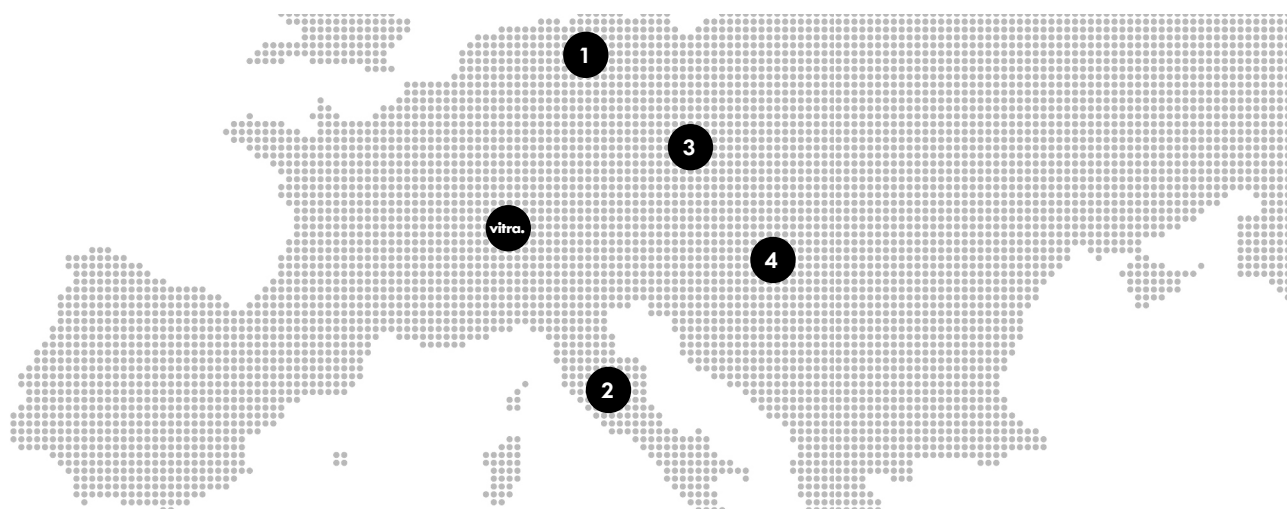
Packaging serves to protect the product and minimise the transport volume. Packaging is reduced wherever possible and materials are optimised in terms of their impact on the environment.

Packaging and materials	Purpose	Weight
1 plastic bag made of 50% recycled polyethylene	Protection from dust, humidity and scratches	147 g
Cardboard box, FSC-certified made of min. 50% recycled paper	Product protection and stackability	3650 g
Recycled polyethylene foam wrap with 50% recycled material	Protection from dust, humidity and scratches	40 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 Germany	36.78%	3 Czech Republic	10.63%
Seat cushion support incl. foam	16.20%	Wooden legs incl. screw-in bolts	10.63%
Cover fabric	8.99%		
Backrest foam	7.43%	4 Hungary	3.85%
Mechanics	3.19%	Padding	3.79%
Screws and nuts	0.92%	Glides	0.06%
Other cover materials	0.05%		
		Assembly	
2 Italy	48.73%	vitra.	
Seat support plate	27.76%	Weil am Rhein, Germany	100.00%
Back cushion support	20.01%		
Screws	0.68%		
Other cover materials	0.28%		

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-authorized inspection institute certifies the suitability and safety of the construction and monitors production at regular intervals.

[Link to certificate](#)



BIFMA

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

[Link to certificate](#)

BIFMA

EPD

An EPD – environmental product declaration – provides transparency about the environmental impacts of a product throughout its life



Spare parts

Castors and glides can be ordered directly from the [vitra.com](https://www.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 Mikado.*

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:

Mikado Side Chair – Art. no. 434 101 00

Cover material: Cento,
Base: four-legged base, wood,
glides for carpet

Source for Carbon Footprint:
Environmental Product Declaration. The EPD conforms to ISO 14025, 14040, 14044 and will be 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 Mikado 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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