

# SUSTAINABILITY PROFILE \_\_\_\_\_



A-CHAIR

brunner ::

# PRODUCT FEATURES

Elegant and unique – these are the main design characteristics of A-Chair. Viewed from the side, its silhouette is reminiscent of the letter “A”, hence its name. Thanks to its slim design, the A-Chair does not distract from architecture. Not even with 1,000 chairs in the same room.



# REFERENCE MODEL

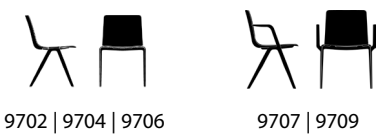


The **A-Chair 9708** model was used for the following analyses as representative of the A-Chair product series.

The standard equipment of the model includes:

- 3-dimensionally shaped ergonomic plastic shell made of polypropylene with 10% glass-fibre content, on both sides bent sideward in direction to the frame.
- Non-upholstered version.
- V-shaped, vertical stacking frame made of high-strength, solid-coloured plastic special polyamide 50% glass-fibre reinforced.
- Shell and frame can be sorted by component type and recycled.

# OTHER MODELS IN THE SERIES

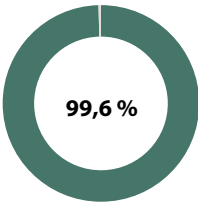


# MATERIAL INFORMATION

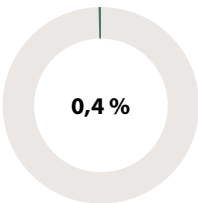
The high-quality raw materials we use in our production processes are at the heart of our furniture products. From the specification to the finished furniture product, environmental and health aspects are important to us every step of the way. It is thanks to our care and attention that our customers can rely on carefree comfort with every piece of our furniture. And we never want to stop improving, so we are forever looking for sustainable alternatives with promise for our portfolio.



Plastics	g	%
Polyamide	3273	52,7
Polypropylene	2914	46,9



Metals	g	%
Steel	22	0,4

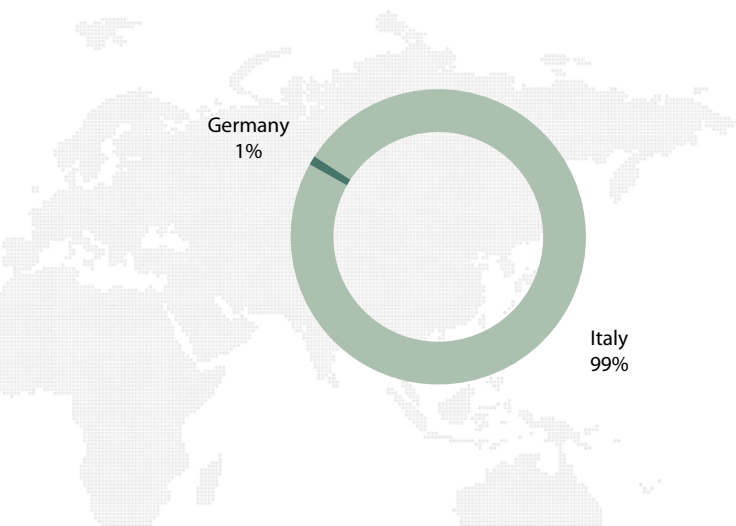


<b>Total</b>	<b>6209</b>	<b>100,0</b>
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Packaging	g	%
Cardboard	750	42,3
Bubble wrap	24	1,3
Inca pallet	1000	56,4
<b>Total</b>	<b>1774</b>	<b>100,0</b>

- All materials used are REACH-compliant and do not contain any SVHC candidates above 0.1% by mass
- The following substances and compounds are not used in the manufacture of the components:
  - Halogenated organic blowing agents chlorofluorocarbons (CFCs), partially fluorinated hydrocarbons (HFCs), partially halogenated chlorofluorocarbons (HCFCs)
  - Aniline-based amines
  - Polyvinyl chlorides (PVC)
  - Conflict minerals (tin, tantalum, tungsten, gold)
  - Polycyclic aromatic hydrocarbons (PAHs)
  - Per- and polyfluoroalkyl substances (PFAS)
- Plastics with a part weight of  $\geq 50$  grams are usually labelled for recycling in accordance with ISO 11469.

# SUPPLY CHAIN

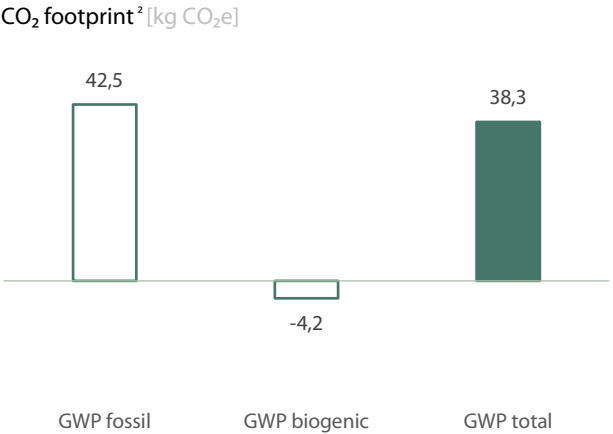


Our supply chain is characterised by a strong network within Europe, whereby we mainly rely on regional and European partners. This short supply chain enables us to operate efficiently and sustainably, as transport routes are minimised and cooperative relationships are strengthened.

The components of the A-Chair 9708 are manufactured in the following countries:

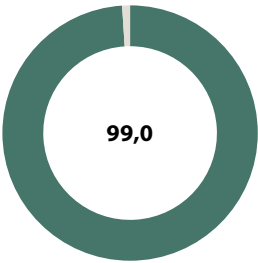
# LIFE CYCLE ANALYSIS<sup>1</sup>

GWP total	38,3 kg CO <sub>2</sub> e
GWP fossil	42,5 kg CO <sub>2</sub> e
GWP biogenic	- 4,2 kg CO <sub>2</sub> e
Depletion of the ozone layer	1,49E-06 kg CFC <sub>-11</sub> e
Acidification	0,17 mol H <sup>+</sup> e
Smog	0,11 kg NMVOCe
Energy consumption	208,0 kWh
Water consumption	0,86 m <sup>3</sup> e



## OTHER KEY FIGURES

Recyclability<sup>3</sup> [%]



The recyclability of a product refers to the proportion that can be fed into a recycling process at the end of its service life.

Recycled content<sup>4</sup> [%]



The recycled content indicates the percentage of the product that consists of already recycled material in relation to the total weight. A distinction is made between two types of recyclates. Post-consumer recyclates are obtained from end consumer waste. Post-industrial recyclates, on the other hand, are based on plastic waste generated during the processing of plastics. As post-industrial recyclates are produced by businesses, they are also referred to as pre-consumer recyclates.

<sup>1</sup>A1-A3, according to EN 15804+A2

<sup>2</sup>A1-A3 according to EN 15804+A2. The basis for the calculation is the functional unit (defined as the product unit), which is determined by the total weight of the product. The cradle-to-grave perspective is applied.

<sup>3</sup>The efficiency of recycling varies depending on the type of material. Our calculations on recyclability are therefore based on information from suppliers, industry organisations or industry averages. It should be noted that the potential for recycling may vary depending on the applicable local regulations. Adhesives, paints, oils and lubricating greases are excluded from recyclability. These are disregarded in the list of materials due to the small quantities involved.

<sup>4</sup>The recycled content is calculated in relation to the total weight of the product without packaging. The determination of the value is based on information from suppliers and other available sources. The information may be industry averages, industry standard values or other data. However, changes in the market or in the manufacturing processes can influence the values in different directions.

# CERTIFICATIONS & LABELS

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The certifications and labels and listed below are available for the A-Chair.

## Manufacturing

- Place of manufacture: Rheinau, Germany.
- The production facility is ISO 9001 and ISO 14001 certified.
  - 0 % Waste to landfill

## Product

TÜV tested for harmful substances & emissions  
The A-Chair range is certified.



## Material

EU Ecolabel  
Approximately half of all fabrics in our standard range are certified with the EU Ecolabel.

OEKO-TEX®  
Some of the fabrics in our standard range have been awarded the OEKO-TEX® certificate.

Greenguard Gold  
Most of the textiles supplied by Kvadrat in our standard range have been awarded the Greenguard Gold certificate.

Blue Angel  
Both our leather collections are certified with the Blue Angel.

# CONTRIBUTIONS TO BUILDING CERTIFICATIONS

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Brunner products can contribute to points for sustainable building certification, such as LEED and WELL, due to various features. We will be happy to assist you if you require further information.

# FURTHER INFO & CONTACT\_\_\_\_\_

Further information on sustainability at Brunner can be found online at [brunner-group.com](https://brunner-group.com)



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To the product data sheet:

