

8000

ENVIRONMENTAL ASPECTS

ENVIRONMENTAL RESPONSIBILITY

Long before the production of a new series, Kusch+Co starts thinking about the possible environmental impact of the production processes and the required components.

SUSTAINABILITY

Kusch+Co understands sustainability as the realistic, manageable and economically viable combination of environmental protection, economics and CSR, not only in terms of production, but also how we communicate with our fellow men, our staff members and partners. Sustainability cannot be measured, but it can be sensed.

QUALITY ASSURANCE

In order to guarantee a constant high-level product quality, Kusch+Co is certified in accordance with the quality management system DIN EN ISO 9001 and the environmental management system DIN EN ISO 14001. We offer a 5-year warranty as standard.

LIFE CYCLE

1 MATERIALS

- The models of series 8000 are free from hazardous materials (lead, mercury, PVC).
- All components of series 8000 comply with the legal PAH standards.
- Kusch+Co uses CFC- and formaldehyde-free foam only that meets the Oeko-Tex® Standard 100.
- To the greatest possible extent, we use aqueous dispersion adhesives free from organic solvents to glue the foam pads to the seat shells/seat. Smallest amounts of solvent-based adhesives are indispensable for technical reasons; however, direct contact with the skin is impossible.
- All plastic parts are labelled properly for recycling.
- All wood products originate from sustainable, legal and verified sources.
- Series 8000 contains no substances included on the candidate list for authorisation according to § 57 of Regulation (EC) No 1907/2006 ("REACH")

2 PRODUCTION

- **METAL COATING**
The powder coating is free from volatile organic compounds (VOC) and heavy metals and therefore physiologically harmless. Our chrome-plating finish excels in corrosion protection and is physiologically harmless during the production and the service life of series 8000. We do not use perfluorinated surfactants (PFS) for our chrome-plating, as these surfactants are suspected of being carcinogenic.
- **LACQUER FINISH ON WOOD**
Through the use of UV-curing water-based lacquers in conjunction with a new lacquering line featuring a paint-spray robot with electrostatic spraying guns (since April 2014), we were able to reduce the overspray to an absolute minimum. On top of this, our paint-spray cabins have been retrofitted with a dry filtration system, replacing the wet extraction system, and saving energy and water. The dry filter achieves the best possible result in collecting the overspray, which can be treated like regular household waste when dried. The used UV-curing, water-based lacquers are exempt of PAHs and any other harmful substances.

- **WASTE MANAGEMENT**
All types of process waste (fabric remnants, foam, metal tubes) are collected by professional waste processing companies and 100 % recycled. All wood residues, resulting from wood-working, are used to heat the factory, saving precious heating oil.

3 TRANSPORTATION

- The transportation energy is offset by the spacesaving packaging.
- The packaging material is reused before it is recycled.
- Kusch+Co's dual disposal system is certified by Interseroh. Approximately 20 tonnes of packaging material is recycled every year.

4 USAGE

- In order to simulate the conditions of a 12-year service life, the series 8000 was tested for the GS mark for Product Safety with increased test cycles compared to the relevant norms.
- A long service life is guaranteed with most parts being exchangeable and retrofittable. That is our contribution to an efficient resource management

5 WASTE DISPOSAL

- At the end of their service life, the models of series 8000 can be disassembled by our professional workers who will separate the materials correctly by type.
- The models of series 8000 are recyclable to approx. 98%. The recyclability is exclusive of adhesives, grease, oil, small parts and screws.



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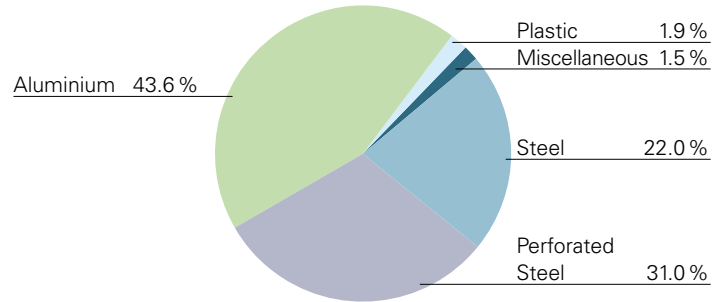
MATERIAL COMPOSITION

Model	8000/5	8005/5	8020/5
Weight	48.8 kg	53.8 kg	48.8 kg
Recyclate percentage*	44.2 %	39.6 %	38.0 %
Recyclability	98.5 %	98.6 %	98.5 %

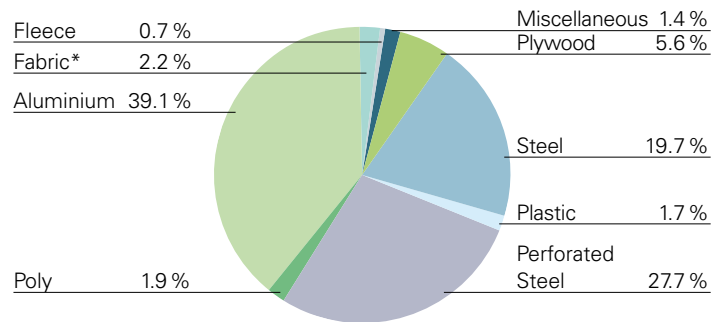
These certificates prove the environmental and social compatibility of series 8000. At least 90 % of the wood used for the production of this series is PEFC certified. Certificate No. 44702071290.



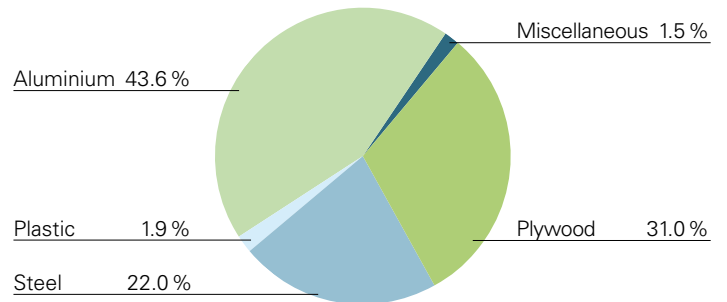
8000/5
3 seater with 2 end arms



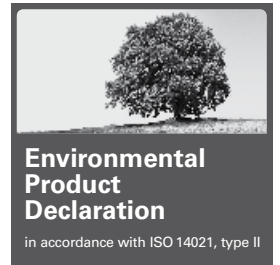
8005/5
3 seater with 2 end arms



8020/5
3 seater with 2 end arms



* When the fabric Urban, Xtreme and Elevation is used, the percentage of the fabric is to be added to the recyclability. These fabrics are made of 100 % of recycled materials.



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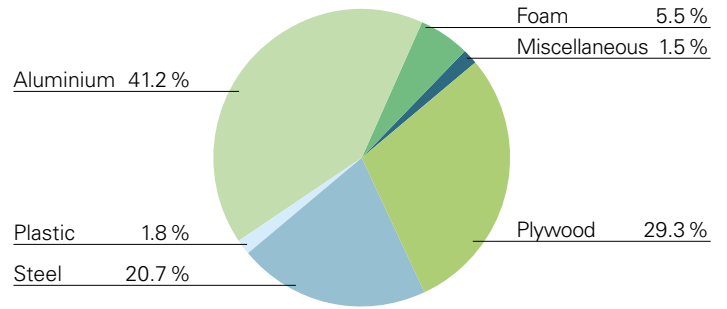
MATERIAL COMPOSITION

Model	8041/5	8044/5
Weight	50.8 kg	51.8 kg
Recyclate percentage*	35.9 %	35.6 %
Recyclability	98.5 %	98.5 %

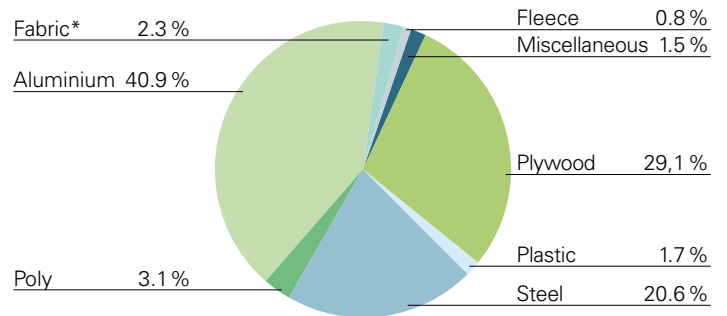
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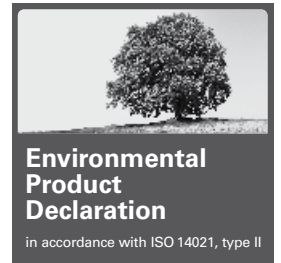
8041/5
3 seater with 2 end arms



8044/5
3 seater with 2 end arms



* When the fabric Urban, Xtreme and Elevation is used, the percentage of the fabric is to be added to the recyclability. These fabrics are made of 100 % of recycled materials.



Kusch+Co supports LEED

The US Green Building Council developed the LEED system (Leadership in Energy and Environmental Design).

This rating system assesses the environmental sustainability of buildings, from the foundations up to the roof. The models of series 8000 may help to acquire Credit Point and assist in obtaining the LEED Certificate.

LEED 2009 for Commercial Interiors

Credit Points

Credit	Requirement	Description	Credit Points
Credit 2	Construction Waste Management, 50 % / 75 % of the packaging material is reused	Construction Waste Management Kusch+Co uses corrugated cardboard, card-board box, bubble wrap and foam wrap for packaging. These materials may be entirely recycled, thus reducing the packaging volume.	2
Credit 3	Materials Reuse – Furniture and Furnishings, 30 % of the furniture and decoration	Resource Reuse Kusch+Co products have a very long life cycle and may therefore be reused for future developments and projects. Individual parts, such as upholstered parts, are easily exchangeable. Within the framework of the Product Safety Certificate, Kusch+Co products are tested with increased test cycles. With a daily use of approx. 8 hours, a lifespan of 12 year is expected.	1
Credit 4	Recycled Content, 10 % / 20 % (post-consumer + 1/2 pre-consumer)	Recycled Content The above-mentioned models have a recycle percentage of 35.6 % up to 44.2 %. At the moment, it is not possible to differentiate between post- and pre-consumer.	2
Credit 5	Regional Materials, 20 % regionally produced, 10 % of regional origin	Regional Materials The first point depends on the site of the final assembly. If the first point has been met, the second point depends on the location of the project. Kusch+Co's factory lies in 59969 Hallenberg, Germany.	2

Series 8000 can add up to 7 Credit Points to your LEED certification.

- CFC** Chlorofluorocarbon
- PAH** Polycyclic Aromatic Hydrocarbons
- PEFC** Programme for the Endorsement of Forest Certification Schemes
- VOC** Volatile Organic Compounds

The number of Credit Points may vary for each project individually. The Credit Points have to be determined for each project separately. The percentage of recycled materials is based on the data from our suppliers. These data may include average values. Kusch+Co has no influence whatsoever on the production processes and material composition of its suppliers and is not liable for variations. This data sheet is regularly checked and updated when necessary.