MAT CHAIR STEEL HEMP
ENVIRONMENTAL PRODUCT
FACT SHEET

normann

C O P E N H A G E N

MAT CHAIR STEEL HEMP

Product Information	Referencing the material innovation at the core of the design, Mat, short for materials, is a chair design crafted from the highly renewable, durable materials of hemp and eelgrass, a type of seaweed. The collection encompasses dining chairs, armchairs, and several bar seating variants all of which come in two versions of hemp or hemp with added eelgrass. All variants are available with full or front upholstery in numerous options.
Company Description	Since Normann Copenhagen's foundation in 1999, our ambition has been to challenge conventional thinking and make the ordinary extraordinary through great design. By combining the craftsmanship, functionality and endurance characterized by our Danish design heritage with modern silhouettes and durable materials, we aim to create original products in a contemporary design that withstand the test of time.
Responsible Conduct	We hold ourselves and our suppliers accountable to high standards in social and environmental responsibility. Our Code of Conduct, aligned with UN Global Compact principles, ensures compliance with national and international regulations and minimum industry standards.

Material Declaration

Utilizing the beneficial qualities naturally present in hemp, the shell is crafted primarily of hemp fibers bound together by a binder made from PE and PP. The shells are mounted on a simplistic powder coated steel base, available in two color options.

The Mat Chair is also available with full or front upholstery.

Life Cycle Assessment Data:

The climate footprint for the Mat Chair Steel Hemp equals 24 kg Co2e validated by the Danish Company Målbar. The outcome reflects the total emissions with a range reflecting the uncertainty of data, based on inputs. This outcome is derived from the model's least emissions-intensive version, and it represents Målbar's estimate of the expected results within a range of -0%/+50% (best-worst case scenario).

The screening is calculated according to EU's rules for the Product Environmental Footprint (PEF) method. PEF includes the whole product life cycle from sourcing of raw material to end-of-life handling. When data was not available, conservative estimates were applied.

Test and Certifications

EN 16139 Level 2

Warranty

Normann Copenhagen ApS offers a 5-year warranty on manufacturing defects on construction and materials apart from wear and self-inflicted damage.

Disclaimer

This document is not third-party validated, and the communication is only intended for B2B customers. The climate footprint assessment was verified on 02.02.2024 and is valid for 1 year from this date. The screening has been performed via the Målbar software version 2.9612.
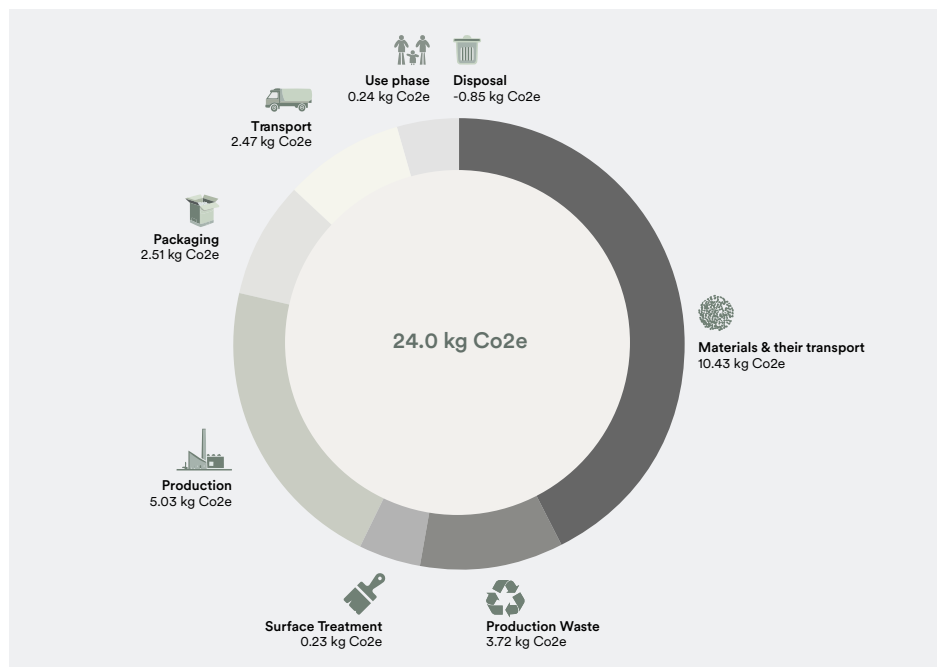
Material Declaration

Material	Mass (KG)	Share	Content
Hemp Fibers	2,0	41,1%	Virgin
Powder Coated Steel legs	1,9	39,1%	
Bico Binder	0,7	14,4%	Virgin
Glides	0,1	2,1%	Virgin
Glue	0,1	2,1%	Virgin
Linseed Oil	0,04	0,8%	Virgin
Screws	0,02	0,4%	Virgin
Total	4,9	100%	

Packaging Material	Mass (KG)	Share	Content
Cardboard Box	1,1	79%	Recycled
Polybag (PE-LD)	0,3	21%	Recycled
Total	1,4		

Climate Footprint Assessment – Co2-e

Use phase
0.24 kg Co2e

Disposal
-0.85 kg Co2e

Transport
2.47 kg Co2e

Packaging
2.51 kg Co2e

24.0 kg Co2e

Materials & their transport
10.43 kg Co2e

Production
5.03 kg Co2e

Surface Treatment
0.23 kg Co2e

Production Waste
3.72 kg Co2e

The Climate Footprint assessment is verified by Målbar on 02.02.2024.

CONNECTING PEOPLE AND SPACES

Since Normann Copenhagen's foundation in 1999, our ambition has been to challenge conventional thinking and make the ordinary extraordinary through great design. By combining the craftsmanship, functionality and endurance characterized by our Danish design heritage with modern silhouettes and durable materials, we aim to create original products in a contemporary design that withstand the test of time. We believe in uniting people and spaces across the world and improving the quality of people's lives through the power of great design. Our products combine functionality and design and accommodate the diversity of needs of modern life in residential and professional interiors alike.

Contact

normann

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