



WIKING® products – Environmental profile

1. Carbon footprint

The carbon footprint of each fibre type is calculated on a cradle-to-gate basis. This includes raw materials, transportation, energy and water use during production, and emissions and waste management.

2. Recyclability

All WIKING® fibres are recyclable. Danish Fibres has implemented a **zero-waste policy** in production and recycles 100% of its fibre scraps. Packaging consists of **100% regenerated plastic bags** and **90% recycled cardboard boxes**. Additionally, residual materials from other sources are upcycled when composition allows.

3. Compliance with chemical regulations

Danish Fibres' products comply with all relevant European chemical and product regulations:

- **REACH and RoHS**
- **DS/EN 14889-2:2006** (polymer fibres in concrete)
- **Regulation (EU) 2023/2055** on microplastics
- **Ecodesign Regulation (EU) 2023/2486**
- **Construction Products Regulation (EU) 2024/3110**
- **Waste Framework Directive (2008/98/EC)**

No restricted substances are used in production.

4. Sustainability standards and assessments

All production is certified under international standards:

- **ISO 9001** – Quality Management
- **ISO 14001** – Environmental Management
- **ISO 45001** – Occupational Health and Safety
- **ISO 50001** – Energy Management

Danish Fibres also holds:

- **abZ Z-3.73-2066, Z-3.73-2105 & Z-3.73-2212** – German construction approvals
- **ÖNORM EN 14889-2** – Austrian standard
- **PRS Green Label (2020)** – Packaging reuse
- **Creep Test** – Validated long-term performance of Wiking® fibres

5. Emission data from manufacturing locations

Danish Fibres calculates its manufacturing emissions using recognised methodologies (IPCC, GHG Protocol). All internal waste is recycled and reused. The company maintains partnerships for upcycling industrial plastic waste and sources suitable materials from external suppliers to minimise total climate impact.

Disclaimer

This datasheet reflects the current knowledge and certifications of Danish Fibres' fibre portfolio. All values are indicative and subject to change. Contact us for technical documentation and material-specific data.

Contact

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CO₂ emissions per kg fibre:

Fibre type	Product	CO ₂ eq / kg
Aramid	Wiking® Aramid	8.7–8.8
Polypropylene	Wiking® Polypropylene	~1.6
Polyethylene (HDPE)	Wiking® Polyethylene	1.2
Asphalt fibres (HDPE)	Wiking® Asphalt	~1.2
Basalt	Wiking® Basalt	~1.0

Ongoing efforts are made to further reduce emissions through smarter sourcing, reuse of materials, and energy optimisation.

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It is always the user's responsibility to ensure the correct selection and application of Danish Fibres' products. This includes, but is not limited to, product selection, mixing, placement, design, manufacturing, and testing of materials in which the products are incorporated.

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Danish Fibres

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