

OEKO-TEX® Impact Calculator

Carbon and Water Footprint Tool

The apparel sector is a key contributor to global emissions. Consumers and brands are increasingly choosing companies that make commitments on key environmental topics like water usage and climate change – and demonstrate action.

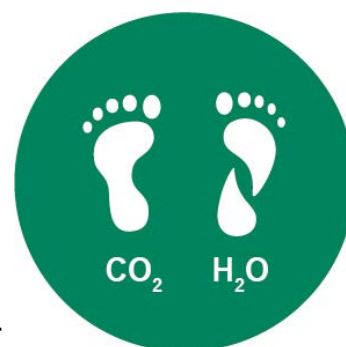
The OEKO-TEX® Impact Calculator supports textile companies in achieving the industry's goal of reducing Greenhouse Gas (GHG) emissions 30% by 2030.

Customer benefit

The OEKO-TEX® Impact Calculator is a transparent methodology with which production facilities can quantify their carbon and water footprint.

The tool gives STeP by OEKO-TEX® certified production facilities a way to measure their carbon emissions and water consumption - per facility, per processing step and per 1 kg of material – and target their reduction efforts.

- **Understand**
Data on production-related emissions and consumption at facility level, per process step and per 1 kg of product produced
- **Identify**
Target processes that have the highest impact on the environment
- **Act**
Reduce carbon emissions and water consumption
- **Report**
Communicate results and improvement measures to stakeholders



Background

As part of the Roadmap to Excellence, OEKO-TEX® developed a simple, user-friendly, digital tool for calculating carbon and water footprint.

To develop the Impact Calculator, OEKO-TEX® partnered with Quantis, a leading science-based sustainability consultancy. Together, they developed a transparent methodology and data models, taking into account international standards:

- IPCC 2013 for the calculation of CO₂ emissions
- AWARE for measuring the effects on water
- ISO 14040 product LCA and PEF for materials

The tools calculations are based on the following databases:

- WALDB – environmental data on fibre production and textile processing steps
- Ecoinvent – global/regional/country level data for electrical, steam, packaging, waste, chemical, transport



Process

Participation is voluntary and open to all textile production companies that apply for, or already have, STeP by OEKO-TEX® certification.

STeP customers access the tool via the myOEKO-TEX® portal.

Outlook

The impact calculator data from production facilities will be used to continuously improve and update the tool.

The calculations can be used as the basis of a product-specific footprint. Communication of a product's footprint as an integrated part of MADE IN GREEN by OEKO-TEX® is currently under development.