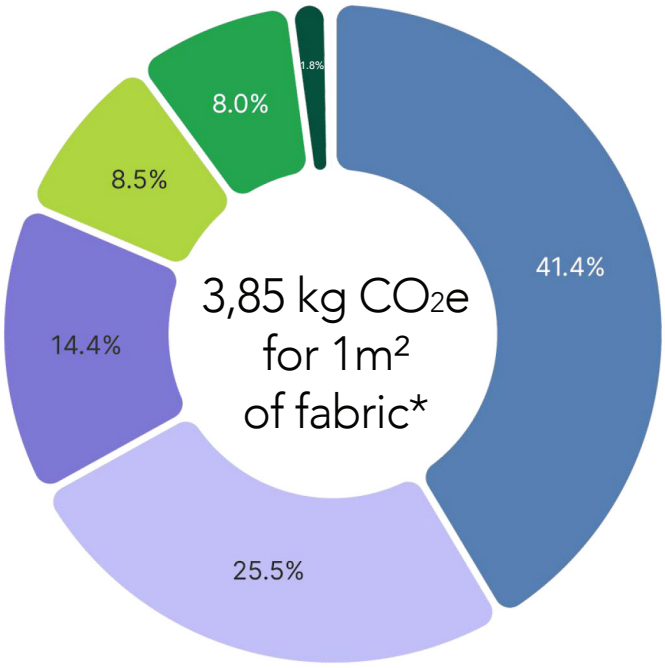
LIFE CYCLE ANALYSIS
SWK ZIP

As part of our environmental Greenovation program, our Dickson brand is benefiting from more responsible manufacturing processes, aimed at combining design, performance and sustainable development. This confirms our commitment to reducing our impact on the environment.

With this in mind, we calculate the impact of our products by carrying out a Life Cycle Analysis (LCA) for each of them.

Life cycle analysis of 1m² of SWK ZIP fabric for a 15 years lifespan



41.4%	Raw materials
8.0%	Manufacturing at Dickson-Constant
25.5%	Production inputs
0.3%	Inter-site transportation
14.4%	Outgoing freight
1.8%	Awning manufacturing and usage
8.5%	End of life

greenly

**Data collected in 2023 using the IPCC 2013 GWP 100a assessment method, developed and validated by Greenly, platform and measurement tool specialised in environmental impact assessment.*

Méthode d'évaluation :

3,85 kg of CO_2e represents the quantity of carbon dioxide emitted over the 15 years life-span of 1m² of SWK ZIP fabric. **This means a footprint of 0,257 kg of CO_2e per year.**

This indicator takes into account all the input and output factors that have an influence on green-house gas emissions, from the extraction of the raw material to its end-of-life.

This analysis forms the baseline of our eco-design approach, which will evolve with the rhythm of our environmental actions, in constant progress, year after year. In this way, we will focus our actions on each stage of a product's life cycle and create new products in the future that are just as effective, but with an optimised environmental footprint.

What does this carbon footprint correspond to over one year ?

1m² of SWK ZIP fabric	=	0,257 kg CO_2e/year	=	1,2 km with a thermal car	=	88 km by train per traveler

Source : https://impactco2.fr/outils

A few examples of textile materials:

1 m² SWK ZIP fabric with a 15-years lifespan	=	3,85 kg CO_2e	=	0,257 kg CO_2e/year

Source : 1m² Dickson Solar Protection SWK ZIP fabric LCA. Greenly – Based on 2023 data.

1 polyester T-shirt with a 3-years lifespan	=	6 kg CO_2e	=	2 kg CO_2e/year

Source : https://impactco2.fr/outils

1 cotton blue-jean with a 5-years lifespan	=	25,1 kg CO_2e	=	5,02 kg CO_2e/year

Source : https://impactco2.fr/outils

A low-impact cooling solution:

Acting as a natural air-conditioner, our fabrics offer optimum thermal comfort.
They help limit the carbon footprint of buildings, with both economic and ecological benefits.

1 vertical motorized outdoor blind system with a 20-years lifespan	=	139 kg CO_2e	=	6,95 kg CO_2e/year

Source : EPD "External motorized fabric roller blinds" Grouping ACTIBAE, French Building Federation - Completed in 2020

1 air-conditioner with a 6-years lifespan	=	414 kg CO_2e	=	69 kg CO_2e/year

Source : https://impactco2.fr/outils

Find out more details on our Greenovation' environmental initiatives.

greenovation

Weaving connection that keeps the world spinning

April 2025 Edition - SAS DICKSON CONSTANT - capital 12.640.000 euros - 381 347 970 R.C.S. Lille Métropole.