



# The Nordic Swan Ecolabel reduces climate impact



**MIN.  
27% CO<sub>2</sub>**

savings by choosing a Nordic Swan Ecolabel textile service for workwear laundry.

**The Nordic Swan Ecolabel's criteria for textile services result in major savings in greenhouse gas emissions due to limits for energy consumption and greenhouse gas emissions at the laundry facilities.**

An analysis of the climate effect by choosing a Nordic Swan Ecolabel textile service rather than an average non-Nordic Ecolabel textile service for workwear laundry has been carried out. The analysis is based on a life cycle assessment that focused solely on CO<sub>2</sub>.

The calculation is based on a conservative approach, including only the requirements that provided the best basis for calculating a direct effect on climate.

The requirements involved include:

- Requirement O6 concerning energy consumption at textile services.
- Requirement O7 on emissions of greenhouse gases by textile services.
- Requirement O8 concerning water consumption at textile services.

The analysis showed that there is a minimum of 27% CO<sub>2</sub> savings by choosing a Nordic Swan Ecolabel textile service rather than an average non-Nordic Swan Ecolabel textile service for workwear laundry. This is equivalent to saving 175 g CO<sub>2</sub> per kg of laundry.

**Other requirements that also benefit climate and the environment - but are not included in the calculation**

The Nordic Swan Ecolabel's criteria include a number of other requirements concerning workwear laundry, which also have a major impact on climate and the environment. The requirements below are not included in the calculation, as they are either difficult to quantify, obtain average data on or are not mandatory. However, they are likely to result in even greater overall CO<sub>2</sub> reductions than the analysis shows.

Among the mandatory requirements that are not included in the analysis are:

- Requirements concerning the classification of chemicals used.
- Restrictions on chlorine.
- Requirements concerning means of transport. These include training of drivers in environmentally correct driving, and the fact that newly purchased vehicles must live up to the latest Euro standard.

Several relevant point requirements have also been omitted. They include:

- Requirement to have lower energy consumption than the obligatory energy requirement.
- The use of ecolabelled textiles.
- Measures to reduce disposal of textiles.

The calculation is carried out by Viegand and Maagøe and is based on the Nordic Swan Ecolabel criteria for textile service, generation 4.0.

Download the full survey here.