



Our impact

Life cycle assessment

The latest analyses of ea.earth, environmental action have determined that replacing disposable packaging with a reCIRCLE BOX enables a 70% reduction in CO₂eq impact and 48% reduction in UBP impact.

The following graph illustrates that the increasing prevalence of take-away meals, which are often packaged in disposable containers and consumed in public spaces, causes several problems.

On the one hand, disposable packages consumes a disproportionate amount of energy and resources compared to their life cycle. On the other hand, in many cases they are not disposed of properly, which can lead to an unclean environment, contamination and danger to living creatures.

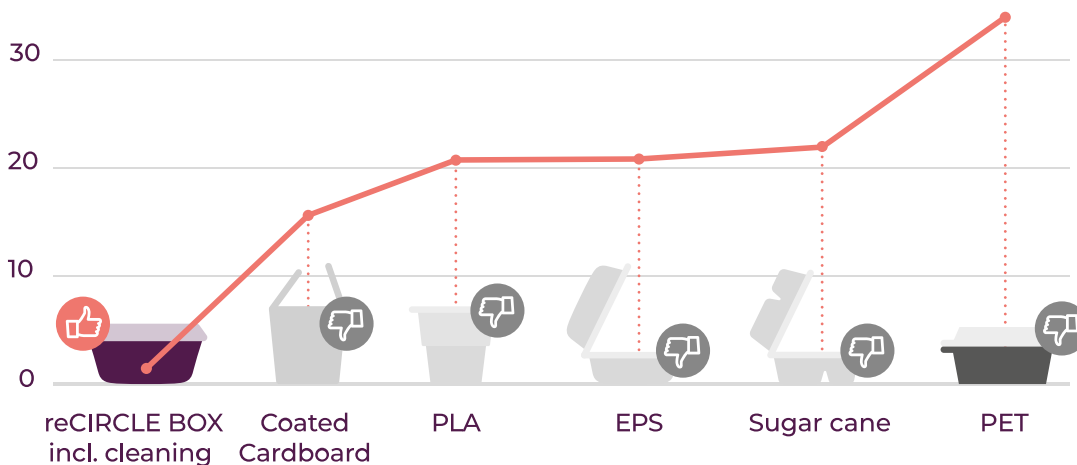
So far, there is no possibility to recycle these disposable containers, therefore they have to be thermally recycled.

With the life cycle assessment it was determined that less than 10 washing cycles are necessary until a reCIRCLE BOX has a lower environmental impact than a disposable container*.

Due to the reuse, the 10 respectively 200 circulation cycles listed here, the environmental impact of the production can be divided to the number of circulation cycles.

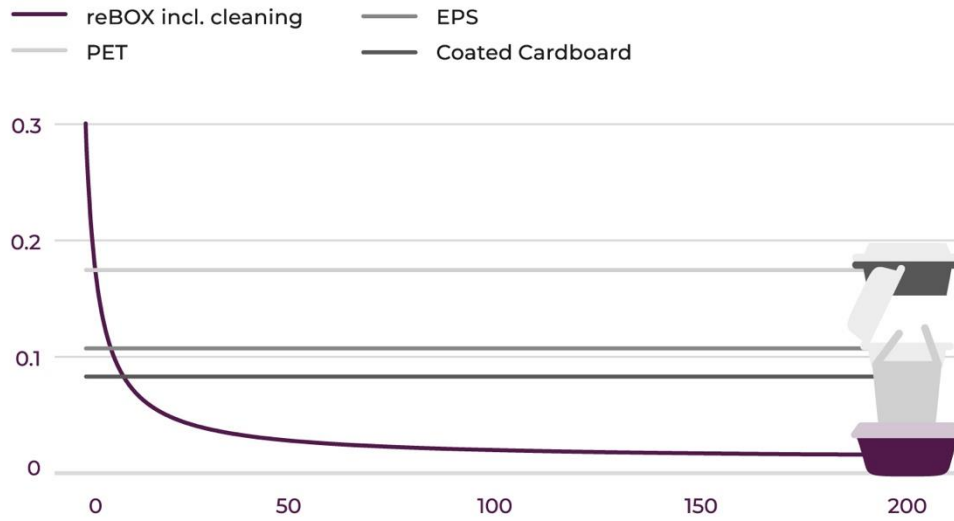
Climate impact due to packaging per meal.

Environmental impact of packaging (kg CO₂ eq/reuse) at 200 times reuse



Average climate impact per reuse of a reBOX.

Environmental impact of packaging (kg CO₂ eq / reuse)



Number of reBOX refills. Depending on the material of the throw-away containers, reBOXes impact the climate less after 7-15 refills.

*Included in the comparison are containers that are very common at the takeaways participating in the pilot project in Bern and are roughly equivalent in functionality to the reCIRCLE BOX (then called "Bring Back Box").