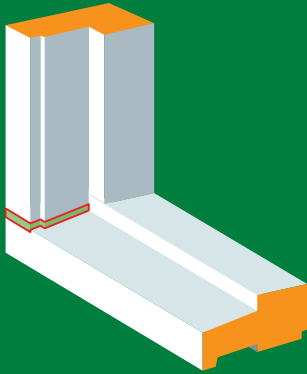


How much CO₂ can you save by repairing window frames instead of replacing them?

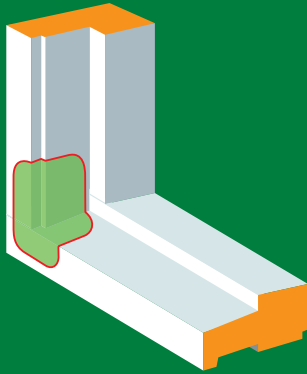
At Repair Care, we believe that our high-quality wood-repair products are much better for the environment than replacement. In order to confirm our beliefs, we asked the independent research agency, CE Delft, to study the difference in CO₂ impact between repairing and replacing window frames.

Study approach:

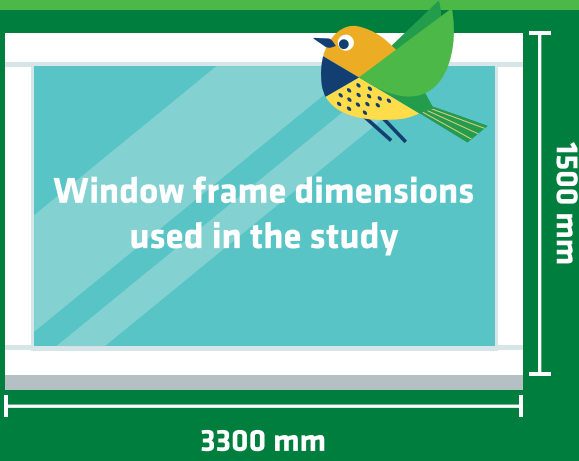
The most common types of repairs have been considered in this study, from sealing joints and corner repairs to laminating and partial replacement. The calculations below are based on two sealed joints and two corner repairs for each damaged window frame.



Joint repair



Corner repair



LCA method

The study used the LCA method, which uses the product's entire life cycle to evaluate its environmental impact. This method uses a cradle-to-grave approach, from the raw materials used to make the product to the final disposal of the materials.



Carbon footprint

The combined greenhouse gas emissions throughout a product's life cycle is also known as the product's carbon footprint. The image below shows the distribution for a standard repair.

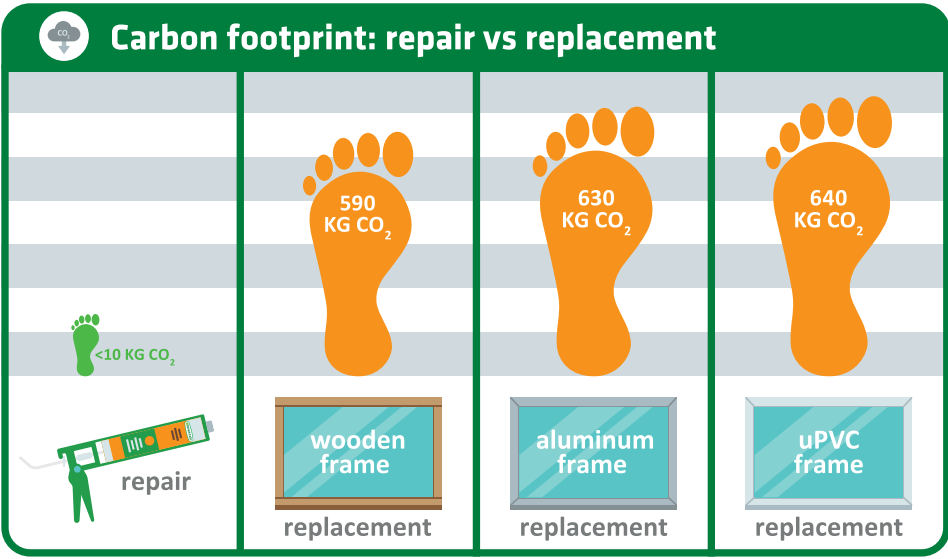


What are the actual CO₂ savings in practice?

Let's take an average home with six wooden window frames, three of which need to be repaired over the course of 25 years. The study shows that repairing the window frames, instead of replacing them with new wooden window frames and glazing, leads to a CO₂ savings of 98%!



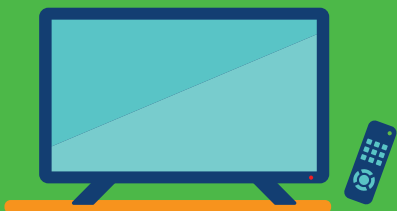
Repairing window frames is over 98% more environmentally friendly than replacement



These savings are comparable to the CO₂ emissions produced by...



Driving 1780 miles with a petrol-powered car



Watching television non-stop for 18 months



The average electricity consumption of a household over six months