



Sustainable Hardwood Orangeries Conservatories Roof Lanterns Windows Doors Bifold Doors

A practical approach to reducing the carbon footprint
of glazed extensions and living spaces.



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With environmental issues dominating the headlines, climate change is, quite rightly, a key concern for homeowners. This is one of the factors that has created an increased demand for timber windows and doors in recent years.

Akeley Ltd was set up to manufacture hardwood conservatories, orangeries and fenestration products. The company founder has twenty years experience in joinery manufacture. This knowledge has enabled the company to invest in and embrace modern methods of design and joinery manufacturing. Modern processes significantly improve efficiency and reduce waste during production, and increase the energy efficiency of the finished project.

Hardwood is an ideal product for manufacturing the structure of conservatories, orangeries and glazed extensions. Using Wood in Construction provides a long-term store for carbon in the built environment. Specifying timber as the material of choice is also calculated to reduce embodied carbon, the total greenhouse gas emissions generated to produce a built asset, by 40 percent.

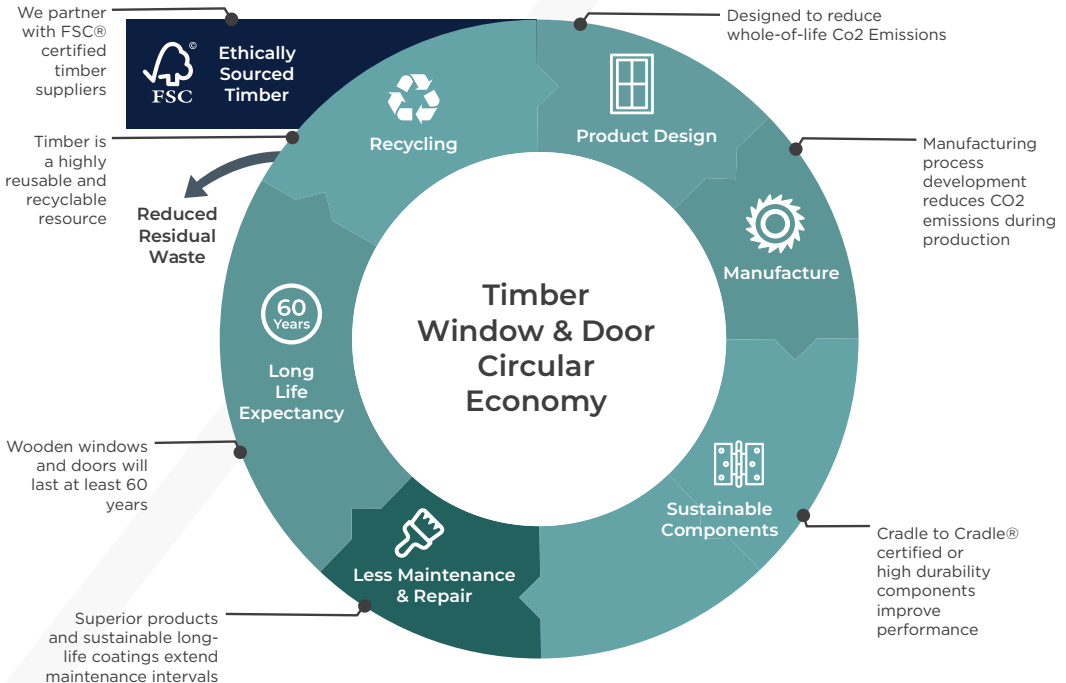
Combining age-old joinery tradition and craftsmanship with the latest in design software and CNC technology, Akeley manufactures the highest quality hardwood orangeries, conservatories and roof lanterns, as well as superior performance timber windows and doors. All products are covered by long term guarantees.



Reducing the carbon footprint of windows & doors

Our planet is threatened by severe climate change. We have the knowledge and technology to help reduce our impact on the climate through sustainable products.

The timber system that's designed to reduce the lifecycle carbon emissions of windows and doors



Reducing the Carbon Footprint of Windows & Doors



Ethically sourced timber

By choosing timber products for your home or property, you are helping to save operational energy over the lifetime of your building.

Wood is the only naturally sustainable and renewable mainstream building material. Akeley source all timber from responsible suppliers certified by the Forest Stewardship Council (FSC).

Trees produce more oxygen and absorb high levels of carbon using the early years of growth. This slows as trees mature. Harvesting trees and replanting on a sustainable basis reduces carbon levels in the atmosphere.



Product design

Our timber conservatories, orangeries, roof lanterns, windows doors are designed to reduce whole of life CO₂ emissions.

The finished products feature slim frames and increased glass areas to improve thermal performance. Windows are A rated for energy with a standard double glazed unit and can be triple glazed.



Responsible Manufacturing

At the Akeley factory, we actively work to reduce our carbon footprint and impact on the environment. We recycle all our timber waste on the surrounding farms and provide a source of renewable energy to the local dwellings.

We have also selected energy suppliers who are making significant efforts to help tackle climate change. They have a commitment to providing Green Energy with electricity generated from certified renewable sources like solar, wind, hydro and biofuel.



Sustainable components

We work closely with suppliers to source sustainable components wherever possible.

We use high durability hardware to reduce maintenance and shorten the supply chain wherever possible.



Less maintenance & repair

By using high quality components and superior manufacturing methods, we can create superior products. We use advanced sustainable timber coatings, vastly reducing repainting cycles on timber windows & doors.



Less waste, lower 'whole life' cost

Timber products generate a lot less waste. Selecting the right raw material and glazing is key to reducing your environmental impact on the earth. Research has shown that timber windows, for example, are between 14-25 percent less expensive when considered over the 'whole life' cost.



Long life expectancy

The lifespan of timber structures, windows, and doors will last for at least 60 years when well-maintained with a typical 10-year recoating cycle, according to the British Woodworking Federation Group.



Recycling

Timber is a highly reusable and recyclable resource. In a case study by Mace Group, 200 tonnes of waste construction timber was diverted from landfill to recycling. 79 percent was reused and 21 percent recycled, resulting in a CO₂ saving of 117 tonnes.



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