



## Fiberline Carbon footprint

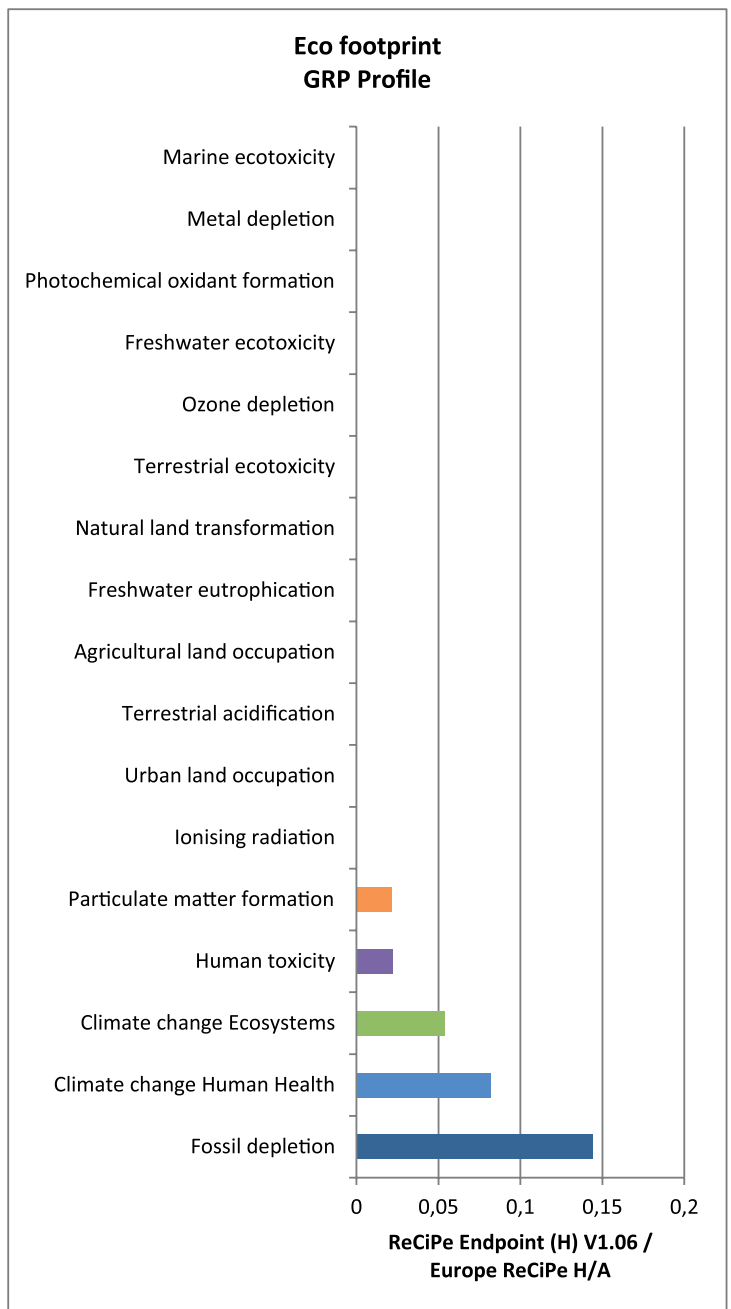
### Standard window profiles

**Assessment of the environmental impact of the production of Fiberline standard window profiles (cradle-to-gate assessment).**

The Carbon footprint has been assessed by using IPCC 2007 GWP 100a method which assess the global warming potential of the process in terms of emissions of greenhouse gases expressed as kg of CO<sub>2</sub> equivalent.

**The Carbon footprint of 1 kg standard window profile is 3.0 kg CO<sub>2</sub> eq.**

The Eco footprint has been assessed by using ReCiPe v1.05 method, assessing all environmental impacts across categories that relate to human health, natural resources, and eco-system quality.



# Fiberline Carbon footprint

## Reference window system

### Assessment of a reference window system

The scope is to compare the carbon footprint and eco footprint of 2 window systems; GRP/wood and aluminum/wood.

#### References:

Aluminum/wood system

GRP/wood system

The systems have almost identical build-up, with equal amount of glass and wood.

All data used are extracted from Eco-invent v2.2, using the LCA software SimaPro 7.3. The calculation includes all raw materials and energies required for the production of 1 functional unit (1,3 x 1,6 m outer frame measures) excluding energy for assembly.

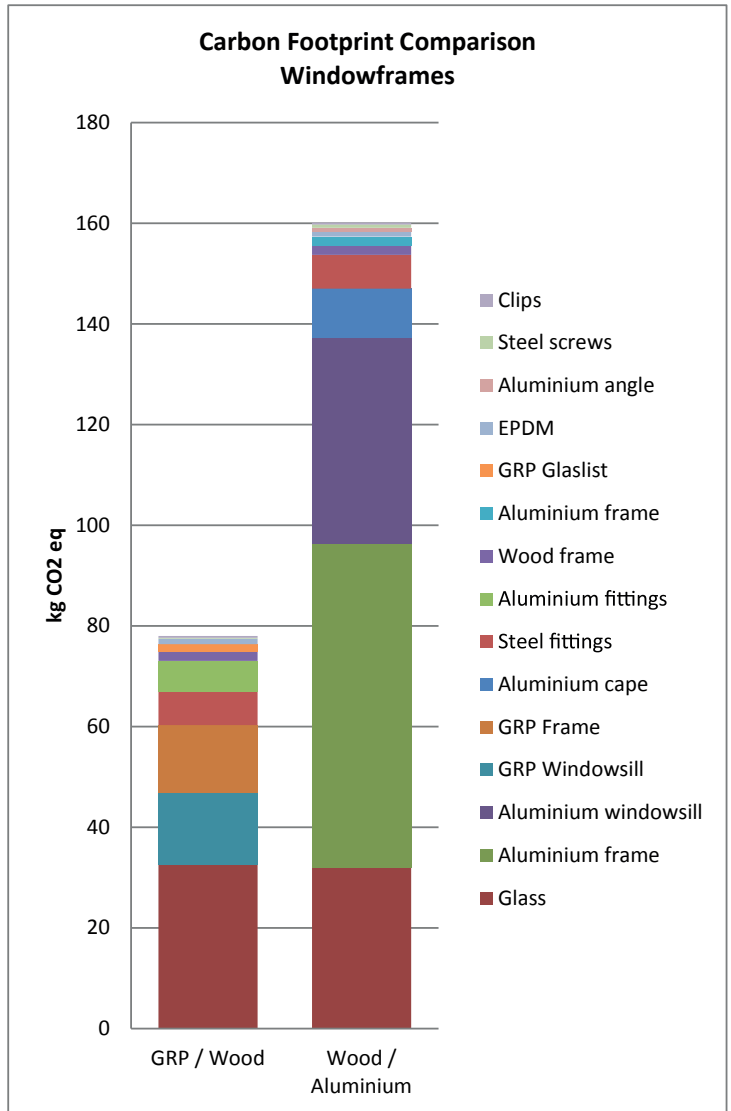
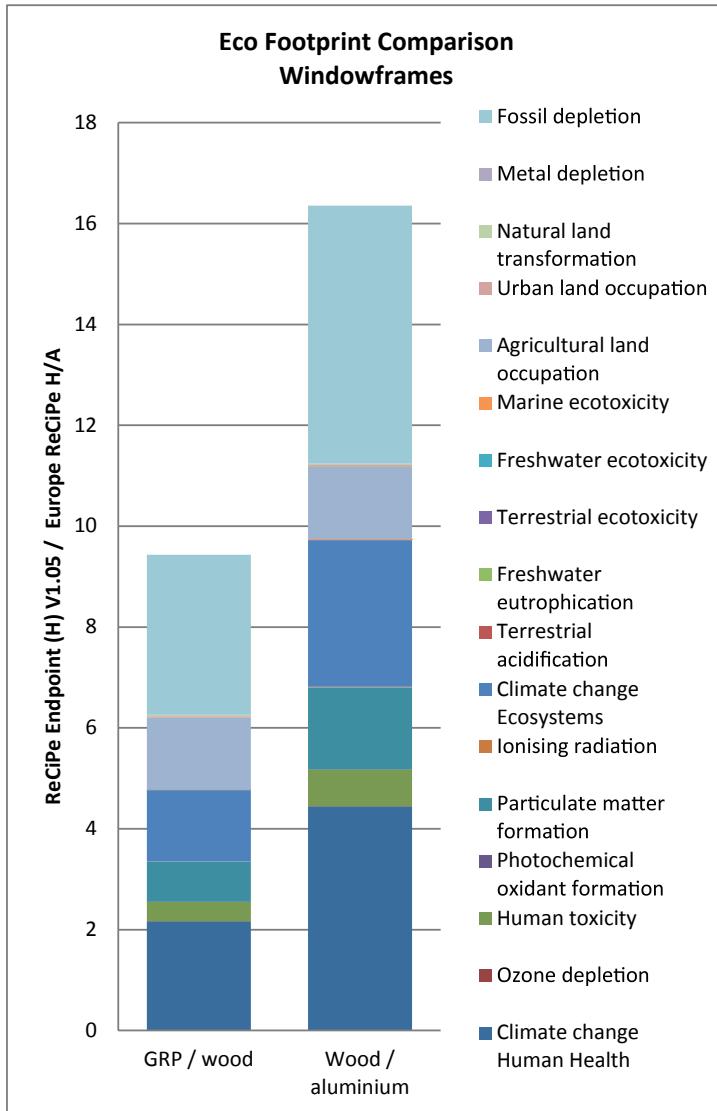
No use phase or end-of-life impacts are included.



Aluminum/wood window  
Frame: 116 x 90 mm



GRP/wood window  
Frame: 121 x 80 mm



Source: CE Delft