



tread softly

... leave the faintest footprint 





...leave the faintest footprint



## What are Environmental Footprints?

### **Ecological Footprints**


These tell us how much land is required to provide the resource needed to make a product and to absorb the waste produced as a result.

Ecological footprinting looks at environmental impact in terms of land because the planet has a finite amount of resource to offer. Within the Western World we are consuming far more natural resource than can be replenished or replaced. *The maths is simple – if we carry on there just won't be enough to go around.*

Footprinting is about learning to live within our means and is an indicator of sustainability. Footprints are expressed in hectares.

**A footprint for a chair would be made up of the following:**

- Land from which raw materials are extracted
- Land from which fossil fuel is obtained to generate energy
- Land on which factories and roads are built to process and transport materials (built environment)
- Land to absorb wastes (e.g. forested land to absorb CO2 emissions)



### **Carbon Footprints**

Carbon pollution within the environment has been identified as one of the most pressing issues facing the world today.

The Carbon Footprints of our key products quantify exactly how much carbon will be produced over the products entire life cycle. Our philosophy is simple, if you can measure it, you can reduce it.

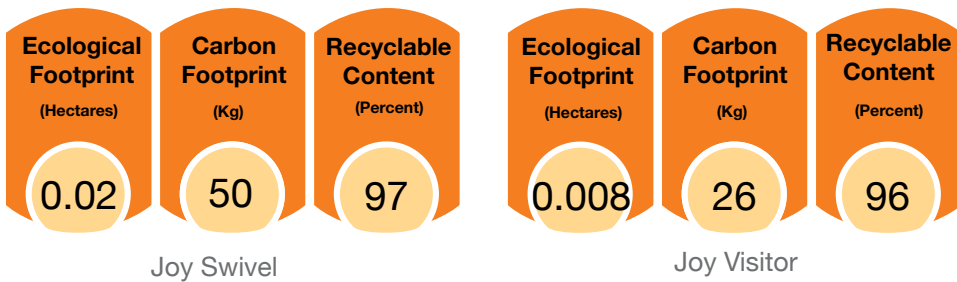
Orangebox has teamed up with Climate Care and can now offer certain products as carbon offset. This means that the equivalent quantity of carbon generated in producing a product has been saved by investment in renewable energy and energy efficiency programmes.

Orangebox's Footprints were calculated by Best Foot Forward ([www.bestfootforward.com](http://www.bestfootforward.com)), who are recognised experts in this field and in 2005 won the Queens Award for sustainability. The technique of Ecological footprint analysis co-originated in the 1990's by Professor William Rees and Dr Mathis Wackernagel.



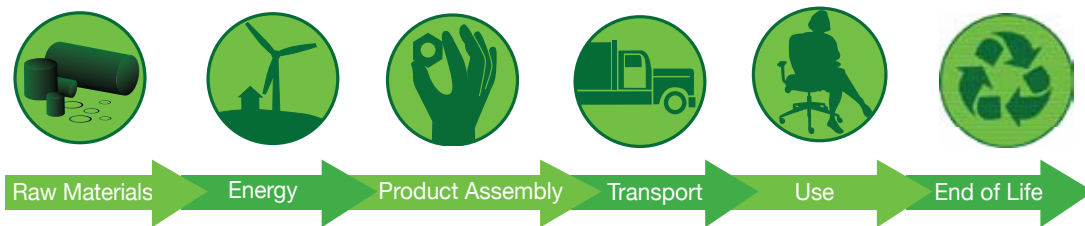
# Environmental Data Sheet

## At a glance.....



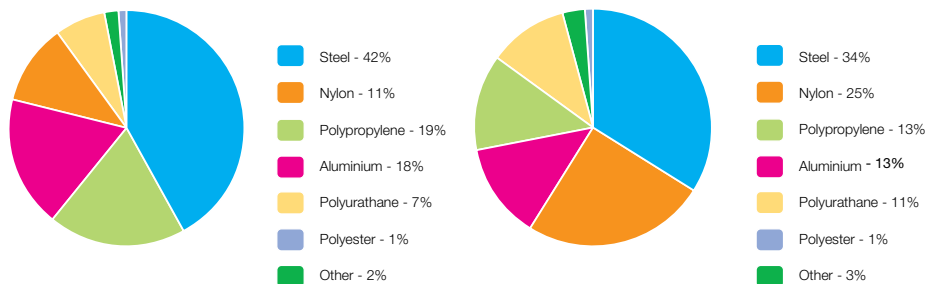
## Life-cycle Breakdown

The footprints look at environmental impact through the entire life-cycle of the product



## Materials Breakdown

Our footprint analysis indicates that over 90% of the products environmental impact is down to the raw materials selected. By understanding the footprint of different materials, we can make better decisions on materials selection for forthcoming products.

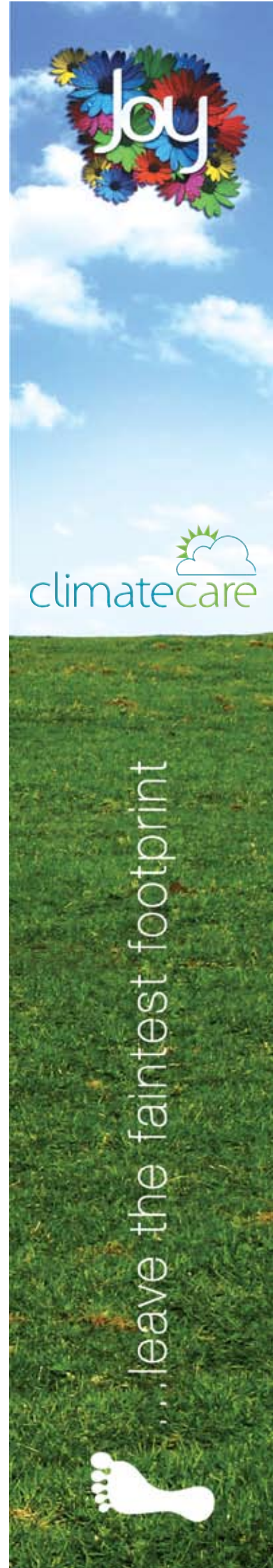


Joy Key Materials by Weight

Joy Materials by Footprint

## Eco Credentials

- 97% Recyclable (swivel)
- 96% Recyclable (visitor)
- 75% of Orangebox Materials supplied from the UK
- 50% Returnable Packaging used between Orangebox and it's suppliers
- CFC & HCFC Free foams used in upholstery
- Solvent Free adhesives used in manufacture
- 100% Renewable Electricity used for product manufacture
- Climate Neutral when specified in Camira "Oxygen" Fabric
- On...and on..and on....
- Lifecycle extension - replaceable cushions
- BS EN ISO 14001
- Orangebox were the first seating company to achieve this standard in the UK



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## End of Life Solution

Research suggests that around 60% of chairs end up at landfill. At Orangebox we are striving to increase the recyclability of our seating and to help ensure that this effort is not wasted, we can provide an end of life cycle solution for your unwanted seating. Products can be collected directly from your premises and then undergo an evaluation. Refurbishment and redistribution is the first option which is considered but if this is not feasible then the seating is recycled with absolutely nothing going to landfill. This solution can be provided in partnership with Green Works & Lifecycle Commercial.

## Looking to the Future

The insight we've gained from the Ecological and Carbon Footprinting of our products is currently being used to ensure that the next generation of Orangebox chairs is even more sustainable.

In partnership with our suppliers we will continue to research new materials and manufacturing processes working towards Cradle to Cradle (Dr. M Braungart & B McDonnough) design principles meaning that instead of being less bad, the materials we choose to use will make a positive contribution to the environment, and can be perpetually recycled.

We will also continue to push for a standard means of measuring environmental performance within the furniture industry by working in partnership with organisations such as FIRA and BFM. We feel that by standardising the way in which these issues are measured, we can make it easier for customers to understand environmental data and to make an informed purchasing choice.

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