



environmental



more from less

Global population growth, resource depletion and climate change affect us all. Their influence increases year on year and the design thinking of all our products and services has to reflect this. So we've worked hard to do more with less material, fewer parts & fewer product miles than ever before.

orangebox

recipe - task chair with arms

serves: pretty much everyone

preparation time: 6 mins

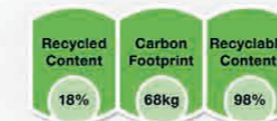
cooking time: 20 sec at 120°C (to tension the mesh)

assembly time: 9 mins



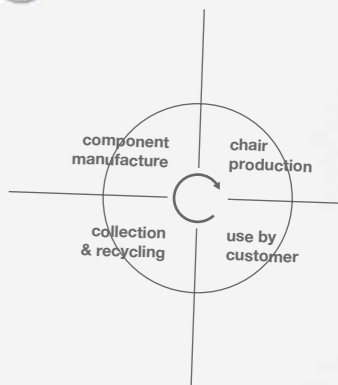
ingredients:

- 5750g nylon
- 3600g steel (typical recycled content around 35%)
- 2950g polypropylene
- 890g aluminium (typical recycled content around 95%)
- 650g CMHR foam (seat cushion)
- 427g TPU (plastic)
- 110g POM (plastic)
- 10g recycled foam (inside arm pads)
- 7g natural rubber
- add fabric to taste



No matter how good your products are, there comes a time when their first useful life comes to an end. Our aim is to do all we can to promote closed loop cycles of use for all the materials we've used.

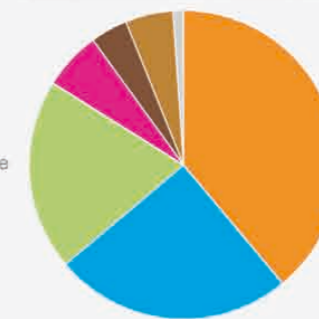
Design for disassembly, material identifiers on all parts and a comprehensive recycling service are all steps we've taken to help us get the most from the resources invested in our chairs.



closed loop cycle

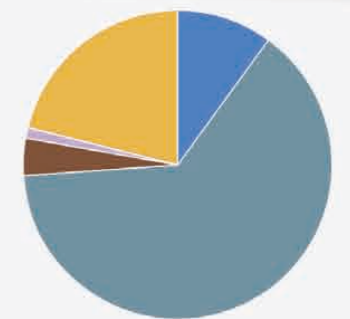
do-HBA

- 39% nylon
- 25% steel
- 20% polypropylene
- 6% aluminium
- 4% foam
- 1% fabrics
- 5% others



materials by weight

- 64% plastics
- 10% metals
- 4% foams
- 1% fabrics
- 21% manufacturing



carbon footprint



better by miles

Transportation accounts for one of our most significant **environmental impacts**, so we're doing all we can to make our supply chain as efficient as possible.

chair transportation

Orangebox chairs are delivered by our own fleet of vehicles. We actively measure & optimise vehicle utilisation and our sophisticated route planning & scheduling software helps **maximise fuel economy**. All our trailers have interiors adapted to suit the transportation of furniture with features such as double deck flooring to help maximise load capacity.



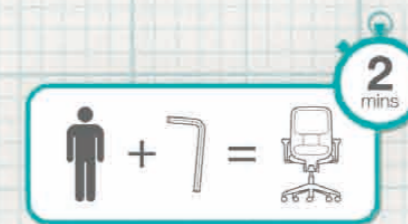
orangebox



reducing product miles

By manufacturing component parts locally whenever possible, we can help reduce the chair's environmental impact.

Around 45% of the chair's component parts are manufactured within 10 miles of our factory in South Wales and over 90% come from within mainland Europe.



box clever

By simplifying the chair's design and assembly, we are able to offer additional packaging solutions which can reduce both transportation impact and delivery costs. A partially assembled chair can be **shipped in around half the size** of a typical chair box. Just like making a cup of tea, the final chair assembly can be completed in less than 2 minutes and with just one simple tool (an Allen key that is, not a tea-spoon).

