

BUILDING PRODUCTS DIVISION

The following figures show the environmental and social performance data for the Hadley Group - Building Products Division for the period **1st May 2017 – 30th April 2018**.

Greenhouse gas Emissions

Total: **2,531 kg CO₂e/tonne**.

Greenhouse gas emissions for Building Products Division for this reporting period are:

- Scope 1 (Direct): **31.7 kg CO₂e/tonne**
- Scope 2 (Energy indirect): **15.6 kg CO₂e/tonne**
- Scope 3 (Other indirect): **2,483 kg CO₂e/tonne**

Over 99% of our greenhouse gas emissions are those that occur upstream in the supply chain. The vast majority of this is due to the content of carbon embodied within the steel we use in our production process.

Resource Use

Building Products Division use a process which is:



Hadley Group (Building Products Division) monitors waste generated as a proportion of total material use within the production of their assessed product. We recognise the life cycle impacts of our products, and our annual carbon footprint studies have consistently shown the most significant impact across the whole life cycle is the volume of steel used in our manufacturing process. As such, 100% of any scrap metal generated through our production process is sent for recycling, and monthly reports are provided by our waste contractor to detail the total collected at each of our sites. In addition our efficient process reduces the use of raw materials by enhancing the performance of lighter gauges of metal.

The 'Greener by Design' and 'Stronger by Design' processes are the foundation to our Life Cycle Thinking approach, which drives continual improvement in our products. There is a high demand for scrap metal in the UK and as such products that reach the end of their life are recycled.

Waste Management

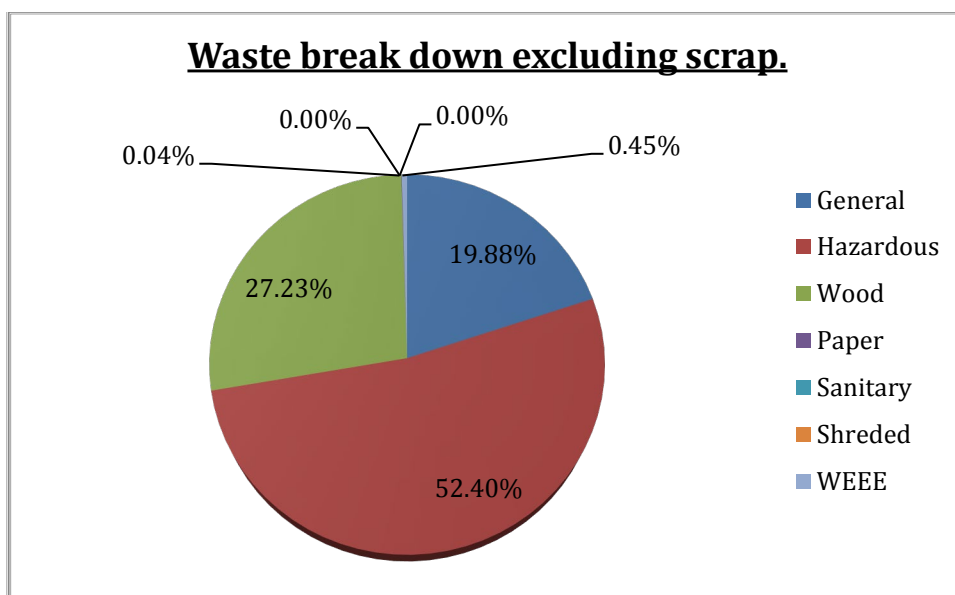
Total waste produced: 82.6 kg/tonne of product

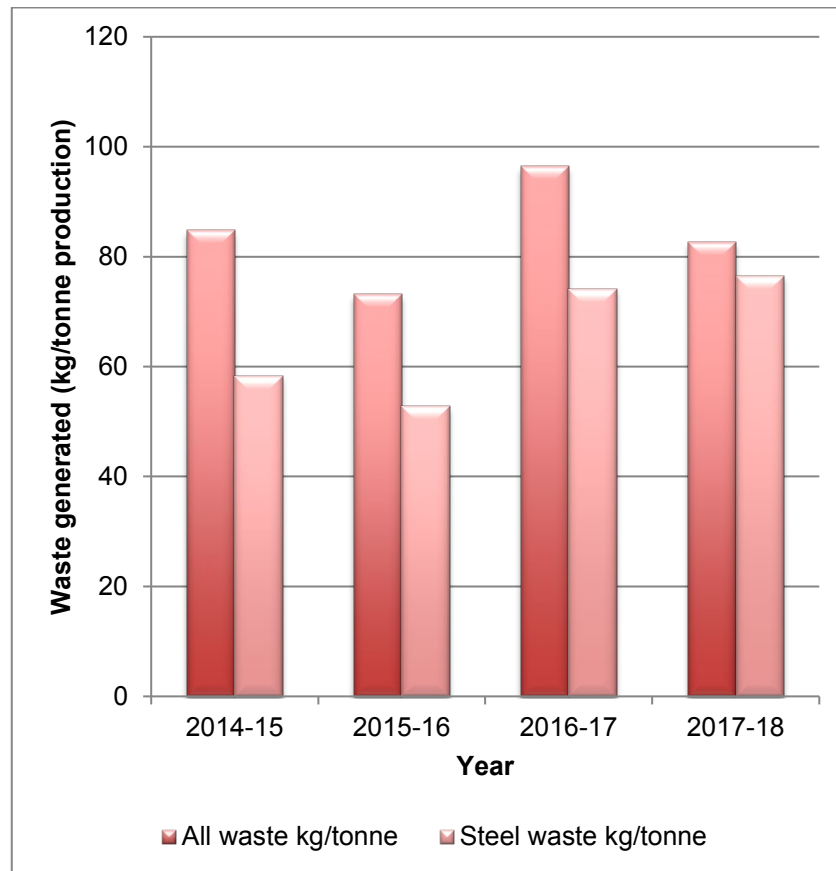
Target 1: To maintain sending zero waste to landfill

Target 2: Reduce scrap yields



This graph shows the amount of waste generated by the Hadley Group (Building Products Division) during the reported period. The total figure includes scrap steel recycled off site, which for 2017-18 totalled **76.5kg** for every one tonne steel produced. Figures have increased from those reported in previous years, although the Hadley Group (Building Products Division) continues to meet its targets of sending zero waste to landfill. This was recognised in April 2017, when Hadley Industries was awarded the Zero Waste to Landfill certification by the Carbon Trust for the whole group.





Steel scrap makes up the vast majority (approx. 93%) of our waste, with the majority of the remainder consisting of general, wood, hazardous (including waste electrical and electronic equipment; WEEE), sanitary and cardboard waste. The proportions of these other wastes that we generated during the reporting period are shown in the previous pie chart.

Waste Best Practice

We have a commitment to apply the waste hierarchy and diversion of all waste from landfill. Effective management of all waste streams is achieved by segregating waste on site, and ensuring we are compliant with applicable waste legislation. We maintain a register of licences for waste carriers as part of our ISO 14001 certified environmental management system. Performance metrics are also set around minimising waste as far as practicable, and any waste produced is diverted from landfill. As part of its wider waste management strategy Building Products Division monitors and measures the amount of waste that it produces as an organisation in kilograms generated per tonne production output. At this moment in time industry benchmarking is not possible.

We have had success with staff engagement with waste reduction activities through promoting behavioural change to encourage greater office recycling. We also share our ideas and performance with our customers, and engage with our current and any potential new suppliers through our supplier evaluation process. As part of our Zero Waste to Landfill certification we also engaged our service providers to understand how they handle and treat the waste once they have removed it from our sites. One of our key waste contractors (Weir Waste Services Ltd) was able to provide a comprehensive breakdown of all waste streams and ultimate end uses. We are striving for greater transparency around the final destination of our waste streams and work with contractors who are able to verify end-of-life treatment for our waste where possible.

Water Usage

0.018.4m³ per tonne of product / 18.4 litres per tonne of product

Collection of water usage data has improved in recent years, with this reporting period the first in which water meter readings were available for the full 12 months. The monthly readings taken enable closer monitoring of water use across the sites, and to act on any anomalies as and when they occur.

Water Best Practice

We have a commitment to use water as efficiently as possible. Building Products Division commits to monitor water usage and minimise demand on potable supplies of water as far as practicable. Separate water meters have been installed allowing the measurement of both domestic water consumption and water consumed during the production process. A reduction in water use will be strived for by setting performance metrics around water use, which will monitor and measure both production and domestic water use in litres. The litres of water used per tonne of production output can then be derived. Objectives and targets are focused upon educating staff in the efficient use of water in the workplace. We have had success with staff engagement by introducing automatic stop taps in the bathroom and toilet areas. We also share our ideas and performance with our customers, which also forms an important part of our supplier engagement and evaluation processes.

As part of our ongoing commitment to responsible sourcing our water data is externally verified.

Transport Impacts

Outbound delivery load average: **3.92 tonnes per delivery**

Inbound steel delivery load average: **18.6 tonnes per delivery**

All vehicles are tracked and speed restricted in accordance with Euro class V. - Building Products Division maximises inbound and outbound loads where possible in order to minimise carbon emissions.

Diesel consumption has been identified as the most significant impact of the transport aspect of our business through our ISO 14001 environmental aspects register. These impacts are mitigated through the use of newer vehicles and regular driver training and monitoring on efficient driving techniques.

Employment & Skills

Building Products Division recognises the importance of effective training for all employees. Employees are provided with an induction process that covers environmental, health and safety, and responsible sourcing issues and regular appraisals are provided to identify opportunities for further training.

In the 2017-18 reporting period, Building Products Division employees received **328** hours of training giving an average of **2.4** hours per employee. It is recognised within the group that current processes do not fully capture all data related to hours of training provided and this is an area that will be looked at going forward to determine how data could be more accurately recorded.

Local Communities

Building Products Division received zero complaints related to environmental and local community matters over this period.

Building Products Division donated £5,000 to the Plasterer's Training Awards and also supported other charitable causes through events organised at the group level. Financial donations of £416.52 were made to Birmingham Children's Hospital and £1,000 was raised through a Macmillan Cake Day during 2017-18.

Local sourcing and local business are a key part of the Hadley Group - Building Products Division supply chain with over 98% of constituent steel by mass sourced from suppliers located within a 25 mile radius of our site.

Environmental Stewardship:

Hadley Group strives to contribute to manufacturing in a low carbon world. From an environmental perspective, each of our products has been rigorously researched and developed to ensure it delivers optimum performance and considerable savings in raw material usage.

Our patented UltraSTEEL® process - winner of the Queen's Award for Enterprise Innovation - enables us to develop highly efficient product designs that perform better, while using less metal. State-of-the-art manufacturing plant ensures high accuracy with low waste. What's more, the UltraSTEEL® process can be applied on recycled metal.

Products that weigh less, in turn, reduce customers' transportation costs. And as a global manufacturer, we can ensure more localised supply internationally, helping you reduce both your carbon footprint and the environmental impact of your construction projects.

Our building products division has attained the 'Sustainability in Steel Construction' award. And a selection of our products has met the necessary credentials to be included in what aspires to be 'the future' of sustainable urban development, Masdar City in Abu Dhabi.

Hadley Group is also supporting the way forwards in energy supply, supplying frames for customers adopting renewable solar power in the Gulf, across Europe and in America.

And as a member of the Mayday Network, we are collaborating with over 1,700 businesses that are taking action to tackle climate change internally and influencing suppliers and customers to help build a low carbon economy.

We also recognise that supply chains are global and whilst our immediate steel suppliers are local we keep a record of the mill certificates to maintain traceability back to source.