

Annual sustainability Report 2021 -2022

Building Products Division

The following figures show the environmental and social performance data for the Hadley Group - Building Products Division for the period **1st April 2021 – 31st March 2022**.

Greenhouse gas Emissions

Total: **2,871 kg CO₂e/tonne**

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

- Scope 1 (Direct): **25.7 kg CO₂e/tonne**
- Scope 2 (Energy indirect): **10.1 kg CO₂e/tonne**
- Scope 3 (Other indirect): **2,835 kg CO₂e/tonne**

Approximately 98% 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) provides 'DesignSuit Pro' software to architects helping them optimise their specification of our cold rolled, high strength, lightweight UltraZed™ purlins, UltraBeam side rails and floor beams. This results in the reduction of material usage, lowering the weight of the finished product. This weight reduction further drives the reduction of transportation fuel use and can allow the final structure to include further material saving features.

The 'Stronger by Design', 'Lighter by Design' and 'Greener 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.

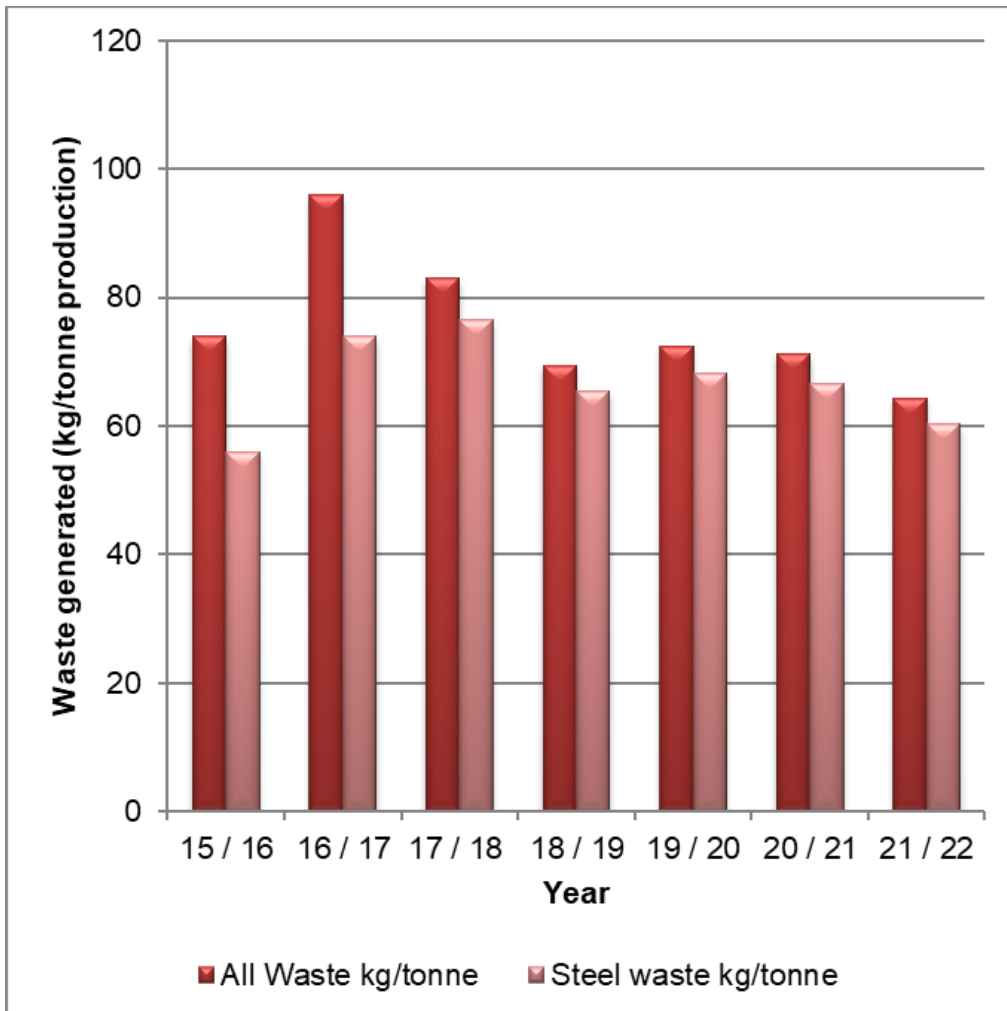
Waste Management

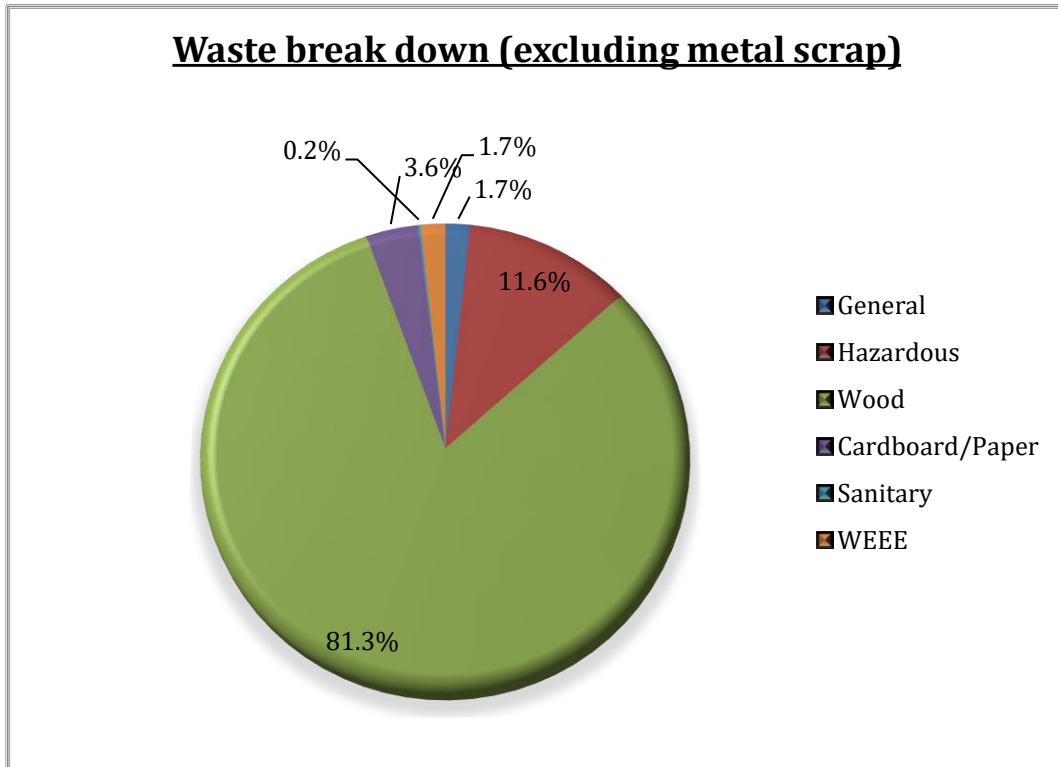
Total waste produced: 64.4 kg/tonne of product

Target 1: To maintain sending zero waste to landfill

Target 2: Reduce scrap yields

This graph below shows the amount of waste generated by the Building Products Division) during this and previous reporting periods. The total figure includes scrap steel recycled off site, which for 2021-22 totalled **60.4kg** for every one tonne of steel produced. Hadley Group (Building Products Division) continues to meet its target of sending zero waste to landfill.





Steel scrap makes up the vast majority of our waste, with the majority of the remainder consisting of hazardous (mostly oil contaminated gloves and spill products), general waste, wood and cardboard. The proportions of these other wastes that we generated during the reporting period are shown in the pie chart above.

Waste Best Practice

We have a commitment to apply the waste hierarchy and eliminate all waste from landfill. Effective management of 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 all 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.

We work with our contractors who are able to verify end-of-life treatment for our waste.

Water Usage

0.005m³ per tonne of product produced = 5.1 litres per tonne of product produced.

Collection of water usage data has improved in recent years. 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 are installed allowing the measurement of both domestic water consumption and water consumed during the production process

Transport Impacts

Inbound steel delivery load average: **14.53 tonnes per delivery**

Outbound delivery load average: **6.16 tonnes per delivery**

All vehicles are tracked and speed restricted in accordance with Euro class 5 and 6. - 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 2021-22 reporting period, Building Products Division employees received **1696.7** hours of training giving an average of **17.1** hours per employee. The data includes both externally delivered mandatory training and also in-house training.

Local Communities

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

Hadley group has supported several local and national charities. Support has taken the form of direct financial donations, secretarial support, leadership support / mentoring time and employee donations matched by the business.

Local sourcing and local business are a key part of the Hadley Group - Building Products Division supply chain with 99.04% 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 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.

Products that weigh less, in turn, reduce customers' transportation costs and as a global manufacturer, we can ensure more localised supply internationally. This helps to reduce both our customer's carbon footprint and the environmental impact of their construction projects.

We also recognise that supply chains are global and whilst our immediate steel suppliers are local we can access the originating mill's certificates to maintain traceability back to source.

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. Involved in the design and construction of energy efficient modular buildings using Advanced Methods of Construction (AMC) Hadley Group aim to deliver net zero carbon emissions across all of these homes by 2030.