



Recycled Content and Resource Efficiency Statement

GREENSTEEL Vision

EAF Steel Recycled Content

Liberty Speciality Steels uses Electric Arc Furnaces (EAF) to melt scrap and produce new steel products, Steel recycling through the EAF route is one of the few recycling operations which actually upgrades the material so that a tin can one day could be part of an aircraft tomorrow.

93.24% Recycled Steel Content

In 2020 The Steel produced at Rotherham had a 93.24% recycled scrap content (Calculated in accordance with ISO14021), this uses significantly less energy than alternative routes, releases significantly less carbon dioxide and does not require the mining of iron ore.



GREENSTEEL in Action

The Steelmaking process uses significant tonnages of raw materials in the process and the steelmaking equipment.

Liberty Speciality Steels applies continuous improvement techniques and Environmental management systems (ISO14001) to ensure high levels of material resource efficiency are achieved. The waste hierarchy is rigorously applied and we recycle a significant percentage of our wastes. We ensure that we minimise material use through Environmental Objectives

Material Use Minimisation

- Oil use – minimisation of oil use by use of planned maintenance and incident root cause analysis.
- Water use – use of re-circulatory systems to ensure minimum abstraction of water from the river.

Waste Generation Minimisation

- SLAG – This is used as part of the steelmaking process, 100% of primary steelmaking slag is recycled for use as road stone.
- Primary Fume Extraction Systems Dust – This dust from the filter plants contains high levels of Zinc, the dust is processed to recycle the zinc.
- Mill Scale and Refractory Fines – This is blended and used in brick making.
- Recyclable materials – Concrete, Plastic, Wood, paper, metal are all collected and recycled.

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For Energy and CO2 reduction and efficiency see separate statement

