



Iron and steelmaking are responsible for around 7% of global and CO2 emissions, and around 2% of CO2 emissions in the UK. **This is approx 12 million tonnes per year.**

For George Leslie, transitioning to the use of green steel is one of our targets within our Carbon Management Plan to reduce our carbon impact. After fuel and concrete, it is the largest contributor of carbon emissions.

Both ArcelorMittal and Celsa Steel UK are attempting to reduce this carbon impact with the use of green steel.



ArcelorMittal specialise in the manufacturing of structural piles, and can provide their range direct from their factories. With the help of their Electric Arc Furnace, they offer a green steel solution to our projects.



Celsa Steel are one of the largest suppliers of reinforcement steel in the UK. They recycle approx 8 million tonnes of steel every year, and do this with their own electric arc furnace (EAF). This green steel is then sold to wholesalers around the country, including ROMTech, Express Reinforcements and BRC Reinforcement.



ArcelorMittal are able to reduce their carbon emissions by over 80% and higher per tonne of steel produced, on some products.



Celsa are able to use circa 96% recycled steel in their products.

The recycled steel is mostly sourced from within the UK, with the reinforcement bar having a "UK" stamp on it to prove it has been produced here.



There are two ways that green steel can be produced -

- 1) Electric Arc Furnace
- 2) Electric Arc Furnace using renewable energy

Please ask for quotes for both. By using renewable energy sources combined with the electric arc furnace, the figure on carbon emissions can reduce even further, to over 90% on some products.

As we continue to reduce our carbon impact, all projects should be procuring green steel wherever possible, and encourage our Supply Chain to adopt the same practice.

The commercial impact, at times, can be negligible. When requesting a quote from our suppliers, ask for a quote for green steel.

If you need any further info or advice on any of the above, please contact the Sustainability & Innovation Team at sust-innov@georgeleslie.co.uk

