

OCTOBER 2021

BUILDING A SUSTAINABLE BRITAIN

MIDLAND LEAD ATTENDING THE BMF PARLIAMENTARY RECEPTION



Dating back to 7000-6500 BCE, likely first used by the Egyptians before spreading across the continents, lead is the original green construction material. It is the most recycled metal in the world. With an annual global production of more than ten million tonnes, more than 60% of production originates from end-of-life products.

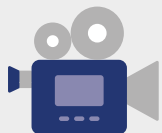
Midland Lead is an independent UK lead sheet manufacturer offering BBA-approved machine cast lead. Our quality-approved lead sheet is used in construction, radiation protection and heritage projects worldwide. Combining the traditions of lead manufacturing with technological progress and environmental awareness, we are proud to only use 100% recycled lead in our production process.

LONG-LASTING AND RECYCLABLE

Life cycle assessments show that with high recycling rates, the cradle-to-grave environmental footprint of lead is significantly reduced. In sheet form, lead as a construction material has a lifespan of at least 60 years, but it can easily last between 100 and 200 years if fitted correctly - before it needs to be removed and recycled. Alternative roofing products are rarely recycled and although (partly) recyclable, many still end up in landfill.

LEAD AND CO₂NSTRUCTZERO

At Midland Lead we believe that lead sheet should feature heavily in the CO₂nstructZero campaign – the construction sector's response to UK's campaign to deliver net zero by 2050. 95% of lead is used in the construction industry - specifically roofing - and as it can be recycled indefinitely without reducing the quality of the product, the use of lead makes a unique positive impact on our environment.



AN INSIGHT INTO THE PRODUCTION OF LEAD SHEET

[Watch Now](#)



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ENVIRONMENTAL PRODUCT DECLARATION

All raw materials used at Midland Lead to manufacture roofing and radiation shielding products come from recycled lead, and sustainability is at the core of our business. We are proud to be the first lead manufacturer to hold the BRE Global Environmental Product Declaration (EPD) for our cast sheet lead. [This EPD certification](#) validates our care and positive impact we make on the environment.



ENVIRONMENTAL INNOVATIONS

Due to lead's natural low melting point (327°C) – it has the lowest carbon footprint among all hard metals - less energy is used during the smelting and refining process. In addition, our machine cast facility operates the most energy-efficient process than any competing process for lead sheet production. Our Direct Casting method produces lead direct from molten into sheet form, contributing to our sustainable manufacturing cycle. Working alongside environmental experts to use the Best Available Techniques to further reduce our carbon footprint (such as heat recovery, solar power and use of an electric fleet), we are innovative in our manufacturing process, supply chain and company thinking. We want to encourage change in the understanding and perception of lead. We are keen to share our learning to improve our sector's environmental impact to reduce carbon emissions.

AMAZING FACTS ABOUT THE RECYCLING OF LEAD

95%

The percentage of lead used in the construction industry in Europe which is collected and recycled.



100% recycled

All of the lead used by Midland Lead to manufacture their roofing and radiation shielding products comes from recycled materials.

Infinity & beyond



Lead can be recycled indefinitely without any reduction in quality.



Lead has higher recycling rates than newspaper or glass.

