



Refractory Lining

www.powertherm.co.uk



Refractory Lining

Refractory lining protects the steelwork of furnaces, boilers, ducting and other equipment from extreme temperatures, abrasion, corrosion and chemical erosion. Applied to the internal surface of process equipment, refractory lining acts as a protective layer of insulation.

We pride ourselves on being at the forefront of refractory lining projects and technology. Whether you require a bespoke installation or a project on a predetermined specification, Powertherm has the experience and technical expertise to provide an all-inclusive service.

Our team understands all the considerations that need to be accounted for when creating the right solution for your business' unique requirements. We work with all types of materials, including ceramic fibrous products and anchorage methods, and have the skills and qualifications to carry out specialist installation techniques including ramming, shotcrete, gunning, bricking and skip and pump casting.

Pre-cast solutions are an innovative way of installing your refractory lining. Modules of the lining system can be manufactured ahead of project schedules. This minimises potential delays and provides a more efficient installation and reduces the time your facility is offline.

Your projects can be completed either on-site or at our dedicated Head Office facility. In both cases, you will receive full access to our extensive team of expert operatives, engineers and project managers.

Product Supply

Powertherm can also supply the very latest refractory products directly to your facility across the steel, iron, power and petrochemical industries.

Reducing the need to manage multiple supply chains and giving you a one-stop-shop for all your business needs.

Specialist Services

Powertherm offers refractory lining services on a full range of small to large industrial assets including:

- › Boilers
- › Chimneys, flues, & stacks
- › Combustion chambers
- › Crate coolers
- › Cyclones
- › Fluidised beds
- › Furnaces
- › Heat exchangers
- › Incinerators
- › Petrochemical equipment: crackers
- › Piping and ducting: exhausts, diffusers, flues & process assets
- › Pre-heating towers
- › Tap holes

Support Services

Our refractory lining services also include the technical expertise to carry out inspections of linings and provide design drawings and thermal calculations for projects. Powertherm offers a turnkey end-to-end service that covers the full life-cycle of assets, giving you total peace of mind as well as maximum value for money:

- › Access solutions
- › Computational fluid dynamics (CFD) analysis
- › Formers
- › Industrial coatings
- › Lining dry outs
- › Pre-cast solutions
- › Process analysis
- › Robotic shotcreting

Head Office:

Francis House
52 Orgreave Drive
Sheffield
S13 9NR

Tel: +44 (0) 114 288 9119

Regional Offices:

Ellesmere Port, Cheshire
Saltend, Humberside
Teesside, Middlesbrough

Email: info@powertherm.co.uk

www.powertherm.co.uk

Our social media:

