

True Craftsmanship Endures®

Why Zampell

Skill Base

Developing and retaining a highly skilled workforce is paramount to the ongoing business success of Zampell. We recognise that our greatest asset is the quality both our work force and the work they produce. Sustainability is important to our business; ongoing training is given to our less experienced employees to produce our supervisors and contract managers of the future. Our management and supervision generally have a minimum of 25 years' experience within the varied refractory related industries.

Our approach to training for skills development is vital to our future. This commitment is the basis that ensures Zampell is a company looking to the future.

History

Cobb Lloyd Refractories, now Zampell UK, was originally established in Northern Ireland in 1965 as Cobb Refractories and was generally involved in dense refractory installations within the power generation industries and the construction of industrial chimneys.

From 1999, Cobb expanded to the mainland UK and developed into a leading contractor within the UK refractory industry with an excellent reputation for quality of workmanship together with a first-class safety record. In 2011 Cobb Refractories and Lloyd Refractory Insulation Systems, a leading independent low thermal mass refractory contractor merged to create the highly experienced refractory contracting Company - Cobb Lloyd Refractories Limited.

The company's strong market presence within many industries enables us to successfully carry out major refractory contracts in sectors including incineration, iron and steel forging/heat treatment, aluminium, power generation and petrochemicals.

The company is now ideally placed to offer complete turnkey packages to our customers. The extensive experience of the management within the refractories market enables Zampell Limited to provide the best possible service and highest quality installations to its customers.

Quality

Zampell is approved to the international quality management standard ISO 9001. The requirements of the standard have been incorporated within the company's activities and are part of the 'working fabric' of its operations. Internal audits are regularly conducted on sites (in addition to those for the manufacturing facilities and offices) to ensure compliance and to seek opportunities for improvements.

Health & Safety

Zampell is approved to the international safety management standard ISO 45001. We understand a company's reputation rises and falls on its health and safety performance and that a skilled experienced workforce is nothing without the highest standards in health & safety. H & S audits are incorporated (including Environmental aspects) into the QA audits on sites. In addition, H & S matters are constantly monitored on site by our contracts management with onward reporting to the Company's Directors. We are proud of our safety record, but we never rest on our laurels and are continually looking at ways of improving our performance and reducing incidents. The company has been a member of RoSPA for many years.



Quality, Safety, To Budget & On Time

Our Services



Consultancy

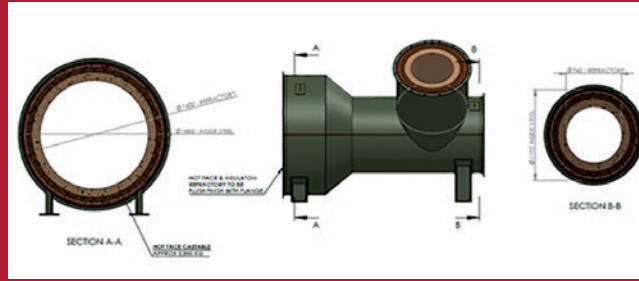
Our experience has come from first hand involvement within many different refractory sectors. This has enabled Zampell to offer a professional consultancy package to all of our existing and potential customers.

From a new furnace refractory design layout, improving existing thermal performances of furnace linings to offering our guidance on the controlled demolition and construction in varied refractory applications. You can be certain that Zampell can offer you a professional service for your refractory package.



Supply

We support our site operations and customers' maintenance requirements by offering a stocking facility for many different grades and types of refractory materials. This also enables us to effect emergency repairs within very short periods of time. Our stock list comprises many types of bricks, refractory gunning and casting materials along with a full range of low thermal mass module products and anchorage ancillaries. We have our own in house transport to ensure prompt delivery can be made every time.



Design

Using our vast experience and the latest 3D CAD Software we are able to solve the most complex scenarios.

The ability to identify and resolve potential issues at design stage before they reach manufacture and construction, saving both time and associated costs for our clients. We can model in 3D CAD, from simple components to complex refractory designs for large industrial plants.

We use 3D printing for Design verification and as part of the manufacturing process.



Installation & Maintenance

Our experience of specialist refractory installations has given Zampell the ability to undertake any size of refractory installation within most refractory related industries. We cater for most types of contract, from a small furnace repair requiring a single refractory mason to a major new refractory construction where manning levels may reach 50 multi-skilled personnel. Whatever the contract, we deliver to our customers a quality job that is completed safely, to budget and on time.



Manufacture

Our main manufacturing facilities are based at our head office, with additional manufacturing capabilities at our sister company Vulcan Refractories. Zampell has over 1,000m² of manufacturing and warehousing which include a specialist facility for low thermal mass modular lining manufacture, mastic sealants and coating systems. All of our manufacturing processes operate with our ISO 9001 procedures.



Contract Supervision

Our high level of supervision to installer experience and know-how gives our customers confidence in the professional approach that we take on any contract. There is increasing demand from international customers to utilise local, more cost-effective labour. To support companies overseas we can offer a complete service of providing supervision and skilled installers to control or work with their local contractors. This enables the customer to keep within their budgets, and undertake either large scale or technically challenging refractory contracts using our trained supervisors/installers with their cost effective local labour.

Sectors

Our professional approach has seen Zampell successfully grow across the many different refractory related industries. Our technical expertise and installation experience is applied to every contract that we undertake. We are actively supporting our customers on a daily basis with breakdown situations, partial or complete rebuilds, new projects together with offering advice on their up and coming maintenance plans.



Waste to Energy & Biomass

Zampell are the market leader for refractory services within the UK's Waste to Energy and Biomass maintenance industry. We have the resources and capacity to offer a complete and comprehensive design and installation package. Our experience not only covers maintenance and new construction projects including some of the largest incinerators built in Western Europe, but also long term maintenance agreements with incineration plant operators and owners.

Zampell have considerable experience with all the different tube wall tiling systems in use throughout the UK and Europe.



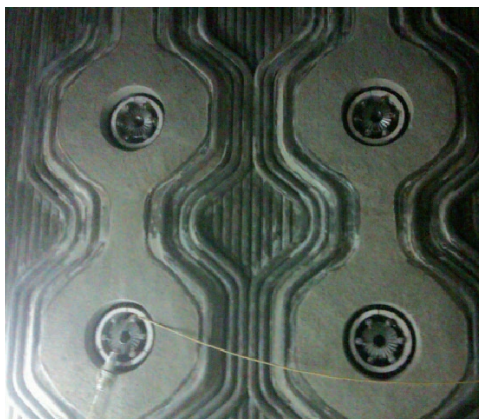
Aluminium

With the ever increasing demand for non-ferrous products growing around the world, our considerable construction expertise within the primary and secondary aluminium industries is increasingly in demand. Working with strategic partners we have developed specialist constructions techniques and skills that enable faster turn-rounds for clients during refurbishments and new constructions.



Iron & Steel

Zampell's experience within the iron and steel industries includes the successful completion of contracts in the forging and heat treatment industries. We have experience in other traditional and new technologies including: coke ovens, degassers and converters and direct reduced iron plants.



Power Generation

No other Company is better placed than Zampell to offer a complete refractory service to the Power Generation industry. Our history of offering an unrivalled refractory service spans almost 50 years. The ability to plan and effectively execute boiler outage work to restricted time schedules and work alongside many different contractors safely and effectively has always been a key factor in building customer loyalty for Zampell. For process plant and boiler manufacturers we can offer a full new design and engineering service along with refractory maintenance contracts to existing plant and equipment.



Petrochemicals

Our key personnel have obtained valuable experience working at refineries in the UK and the Middle East. We have experience of most types of installation in this sector including crude distillation units, fired heaters, sulphur recovery units, bitumen plants, waste heat recovery units, thermal oxidisers and chimney construction.

Zampell fully appreciates the critical nature of working in a petrochemical environment along with the extremely high demands in the Health, Safety and the Quality control procedures. We are able to liaise closely with Clients and/ or independent inspectors and modify our normal procedures to incorporate any of their specific requirements.



General Refractory Installations

Many years hands on experience of specialist refractory installations has given Zampell the ability to undertake any size of refractory installation within any of our refractory related industries. We cater for any size of contract from a small furnace repair requiring a single refractory mason to major refractory installations where manning levels can reach 50 multi-skilled personnel.



Food Industry

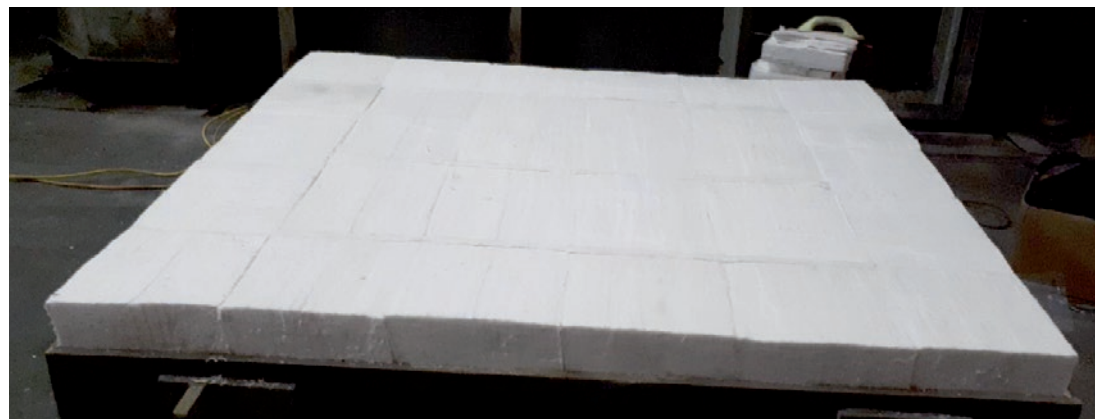
Zampell are active throughout the food and drinks industry carrying out refractory repairs to many types of plant including shaft kilns, heaters, oxidizer, kettle systems, furnace heaters and flue lining systems. Our contractual activities span both the UK and globally. The high skill level of our employees enables Zampell to effectively manage refractory repairs to very tight deadlines and in quite hazardous applications. The professional approach that our managers and skilled work force bring to these contracts ensure that whatever the scale of the activity it will always be carried out in a safe and professional manner.

Solutions

Our knowledge and experience of refractory installations covers a very broad spectrum of industries. In today's modern production society more demands are being placed on customer's plant and equipment to increase productivity by being faster, more efficient and more reliable. We understand that downtime of process plant impacts heavily on customer's profitability. Utilising our know how across these industries enables us to apply application technologies or materials from one industry to another where they would never normally be associated. This proactive approach has enabled Zampell to solve many refractory application problems and get customers back into production with minimal downtime.

Our associate company, Vulcan Refractories, a UK based Zampell company, specialises in the manufacture of high quality refractories in a wide range of refractory materials for many industries globally.

www.vulcanrefractories.com



Fibre Modular Systems

At our head office we operate our facility for the manufacture and supply of our fibre module lining systems.

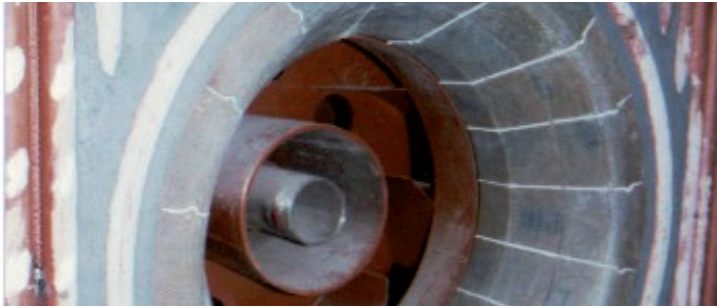
We have the capacity to manufacture standard and non-standard sized modular systems, ranging from 300mm to 2000mm long individual modules with thicknesses from 50mm to 400mm thick. We carry a full range of fibre products that include body soluble fibre, ceramic fibre, pyrolog and mullite 1650°C rated fibre.

Systems supplied include folded and sawn face designs, 1650°C rated composite modules, veneering module systems, linear lined blanket systems. We offer a full range of anchorage systems that include self-tapping screws, pyro-studweld, C D studweld, drawn arc studweld, bolt through and interlocking systems. All anchorage systems are available in stainless steel grades of AISI 316, 304 & 310.

Zampell offers a full installation service for the modular products that they produce. Our installation engineers are highly trained and have many years experience working on many types of furnace applications.

We also offer our unparalleled, prefabricated panel systems for the construction of complete furnaces or just roof panel systems to replace old redundant dense refractory systems. These prefabricated panel systems have the ability to be self-supporting and span distances of over 10 metres. They are fabricated using cold rolled steel sections welded together incorporating the fibre modular system pre-installed onto the steel panel face thus allowing for a very fast installation and reducing downtime.

- Supply and install new ceramic fibre/bio soluble fibre linings.
- Experienced in electric element hanging systems and gas fired furnaces.
- Supply and install linings to bespoke thermal oxidisers, incinerators and hot-bypass ducting.
- Supply modules worldwide together with installation supervision.



Burner Quarl Tiles

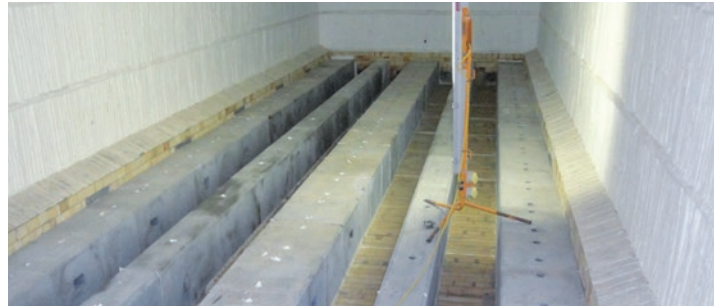
Zampell supply a market leading concealed fixing burner quarl tile system. Our system has been long adopted as the standard within the coal fired power generation industry. The system is so reliable that installations have been successfully executed in over 20 countries worldwide to date. They are primarily manufactured from silicon carbide and are retained using a patented concealed fixing system that is made from high grade cast stainless steel. The system benefits include a high resistance to slag adhesion, abrasion resistance for protection of tubes local to the burner which both result in less burner fouling, better heat transfer and increased burner firing efficiency.

We are the market leader in segmented burner quarl tile technology.



Electric Element Support Systems

Our electrical element support systems are the most durable available, they are manufactured from a variety of ceramic materials using dry pressing and slip cast technology. The materials we use range from mullite, 95% alumina and aluminium titanate to suit the necessary furnace conditions. Our roof and sidewall support systems can be incorporated into most furnace designs to suit tape, coil, Silicon carbide or radiant tube element systems. Our electric element systems have been used in furnaces in excess of 8000kw which support both full roof and sidewall elements systems.



Precast refractory shapes

From our manufacturing facility we produce our pre-fired refractory shapes. Our capacity ranges from small intricate burner quarls to large shapes up to 2 tonnes. Our drying furnace incorporates plc data log controllers to ensure all detailed temperatures and schedules are recorded and can fire shapes to 1250°C.

The facility can produce up to 6 tonnes a day of pre-cast shapes, from various grades of refractory materials. We have our own carpentry fabrication facility for the manufacture of specific shaped moulds which allows us to remain competitively priced when offering a complete service to our customers.



Protective Encapsulation Systems

Where hot gas or chemical erosion is present within the operating atmosphere, Zampell have options to combat and reduce this attack on refractory lining systems. Our products range from specialist tiles that utilise our ceramic screw bolt system to specialist refractory coatings systems that are all manufactured in house where we have the ability to alter the chemical composition or consistency to suit the actual application. Our systems are becoming a standard solution to the industry of fibre encapsulation and gas erosion protection.

Summary

We believe our success is as a result of our guiding principles towards our workforce to provide total customer satisfaction. Our Company ethos towards customers and their contracts is; giving an individual service, offering quality workmanship, carried out in a timely and efficient manner, with an unwavering respect to Health and Safety ensuring we are providing value for money to the client.

Our primary aim is to continually offer a Quality and Safe Refractory Service, to Budget and on Time, to all of our Customers.



We are available to discuss your particular requests and provide you with more detailed information.

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