

APPLICATIONS.

We offer complete and practical solutions for all kinds of furnace types, such as

- Single and multiple chamber furnaces
- Shaft furnaces
- Induction furnaces
- Circular melting furnaces
- Dosing furnaces



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ALUMINUM.

MADE IN PLETTENBERG

www.beka-feuerfest.de

 **Beck
u. Kaltheuner**
FEUERFESTE ERZEUGNISSE



**TODAY AND IN FUTURE.
TOGETHER.
TECHNOLOGY.**

... Progress made in Plettenberg.

// TODAY AND IN FUTURE

ABOUT US.

**FOR MORE THAN HALF A CENTURY,
WE SUPPLY REFRACTORIES WORLDWIDE.**

Because we love our work, we assure our customers that we deliver high technology and best quality orientated products and services.

Beck u. Kaltheuner operates at two locations in Plettenberg as well as in Duisburg and has an experienced technical- and engineering department, its own product development site as well as an assembly department and a large machinery park.

The BEKA-team, consists of 107 well experienced constructors, electronic technicians, mechatronic technicians, procurement, sales engineers and has last but not least committed themselves to the production of valued and reliable refractories.

We are an innovative, medium-sized company, which was founded in 1953 in Plettenberg in the Sauerland. Today, we are known as a renowned, intercontinental supplier of refractories and carry our quality seal "Made in Plettenberg" into the world of refractories.



**HERE YOU GO
TO THE IMAGE FILM**



JUST SCAN



// TOGETHER

WHAT WE OFFER.

Engineering – starting from the first drawing creating: the best!



At our engineering plant we develop all blocks and new linings for furnaces, but also complete systems. There, we work closely together with renowned furnace and plant constructors as well as universities.

Research & development – the time does not stand still, we don't either!



We work with our research and development team continuously on innovative and economical product solutions for different kinds of applications, which are produced afterwards in our plants.

Installation – from one of the best teams in Germany!



Our professional and experienced supervisors take care of demolition and installation of refractories and elements. Repairs with modern methods and tools is their everyday life.

// TOGETHER

BEKA KNOW-HOW.



Quality assurance - we achieve the maximum!

With the help of our ingenious quality management system, we are not only able to meet the demands of our customers, but to surpass them. Standardized and economical processes, combined with continuous controls, ensure that safety and health protection are in accordance with all necessary criteria, and beyond.



Machinery – Full-Service by diversity!

With our balanced machinery park we are able to carry out demanding linings and repairs.



// TECHNOLOGY

ALUMINIUM.

Concretes and elements for aluminium production

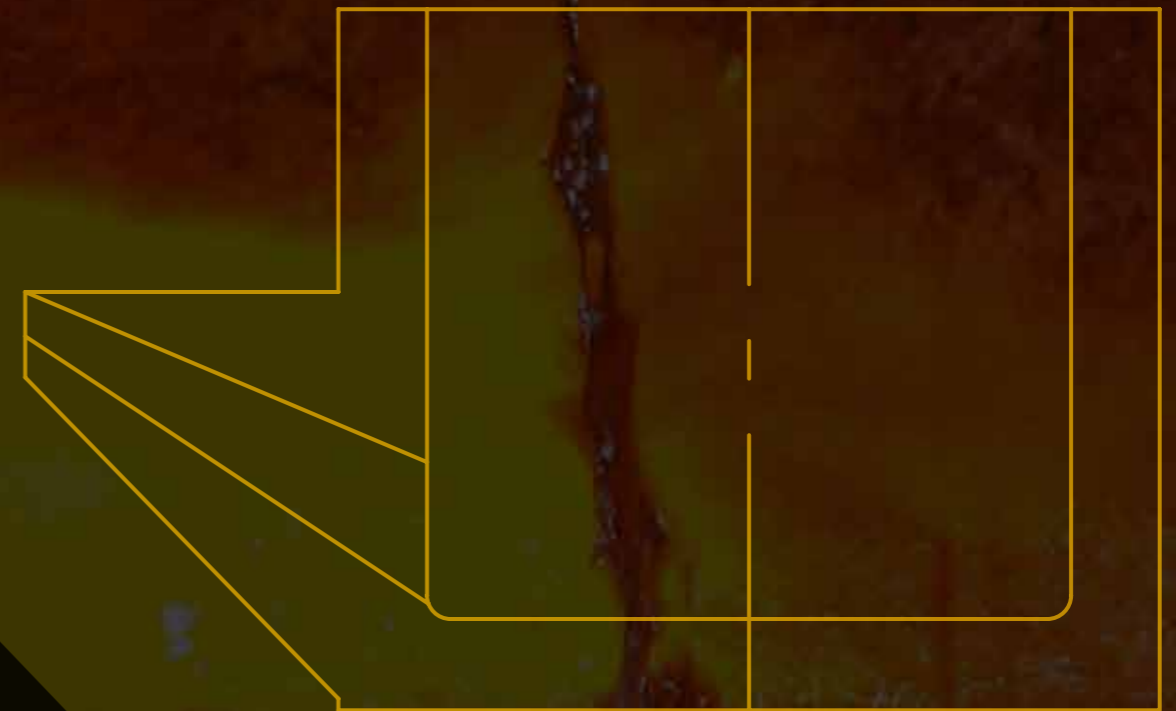
Our product range for the primary and secondary aluminum industry includes conventional concretes, LC and ULC concretes, gunning masses, shotcast masses, repair masses, as well as pre-burned prefabricated blocks with corresponding anchoring.

Proven linings

We offer proven linings of heating walls for anode baking furnaces respectively ring-chamber soaking pit furnaces with prefabricated blocks. Here, we achieve shortest possible lining- and reconstruction times, so that your furnaces are ready again for operation in short time.

Construction & design

Our self-developed block-system offers significant advantages compared to traditionally pre-pressed bricks. This system offers following advantages: on one hand an easier lining and on the other hand a higher thermal shock resistance. If requested, we of course also develop and produce in the traditional way.



// TECHNOLOGY

SERVICE.

Our service includes the maintenance as well as the repair of firm plants and can be executed while the system is running or in switched off position. Furthermore, we take over all processes regarding relining of your plant.

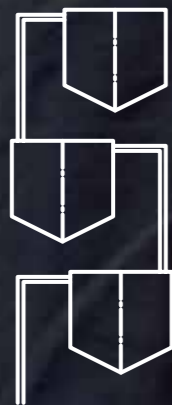
Find more information under: www.beka-feuerfest.de/aluminium

TECHNOLOGIES.



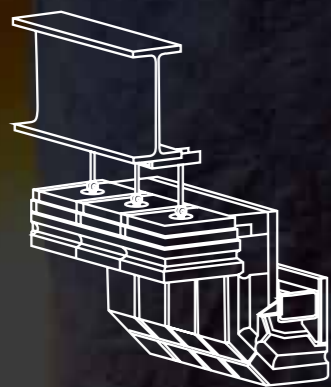
BLAST FURNACE

The blast furnace route, so called integrated route, is still the most significant method in order to produce pig iron.



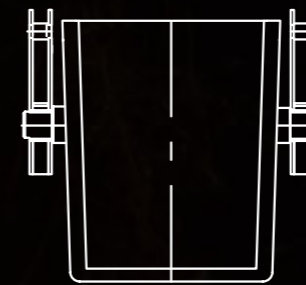
CEMENT

The product portfolio of Beck u. Kaltheuner includes high-alumina monolithic products with special properties, specially designed and developed for the use in cement works.



FURNACE- & PLANT ENGINEERING

The supply program includes, among other roof systems, curved blocks, sandwich blocks, diaphragm blocks, furnace blocks, burner blocks and many more.



STEEL PLANT

Tailor-made solutions and all in one-hand service solutions, is our reaction to the worldwide increasing demands for refractory materials and monolithic prefabricated blocks.



COKING OVEN

We have many years of experience in the delivery range of door plug systems with anchor bolts anchorage for coke oven doors.