

# APPLICATIONS.

We offer complete and practical solutions for numerous aggregates and processes, such as

- Swim tab cones (casted and pressed) for converter**
- Ladle spouts (multiple, single)**
- Slide ceramics**
- (well blocks, inner nozzles, exchangeable nozzles)**
- Impact plates**
- Permanent lining**
- Functional blocks for the tundish (dams, diaphragms, impact pots etc.)**
- Slit purger**
- Pore purger (capillary purger)**
- Porous purger**
- Partly- and totally burned purger**



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## STEEL PLANT.

MADE IN PLETTENBERG

[www.beka-feuerfest.de](http://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 and 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

# STEEL PLANT.

In the last years, the application of products made of iron and steel have steadily increased and also in this context the demands on these materials as well as the manufacturing process. Along with this, the requirements for refractories have also increased constantly.

## Scope of Supply

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





# REFRACTORY MASSES.

Our research and development department is continuously working on improvements and new masses, which we also would like to develop in cooperation with you. Bulk deliveries can be provided in big bags as well as in sacks. Our high experienced team of supervisors is a great support for you for the processing on-site.

## **Vacuum furnaces / RH – plants:**

- on-site casted RH-snorkels
- lining of VOD-plants
- repairs

## **Pig iron and steel ladles:**

- permanent lining
- wear lining till slag zone
- ladle spouts

## **Tundish:**

- permanent lining



// TECHNOLOGY

# PREFABRICATED BLOCKS.

Our casted prefabricated blocks are subject to certified quality standards. This guarantees accurate dimensions, service life and reliability in all sections. All our prefabricated blocks are delivered tempered and after arrival ready-to-install. If required, it is possible to carry out a pre-firing at high temperatures.

Our top priority is not only the selection of high quality, suitable materials, but also the precise design of the prefabricated blocks according to your needs / requirements. We look forward to work out specific new solutions together with you.

## **Purger**

Special attention is paid to our purging plug production. As an important component for the steelmaking process it is essential to use high-quality, high-alumina respectively spinel-containing raw materials for our qualifying final product. Our constant material- and product development enables us to offer you cost savings through shorter service lives. You decide about all important and necessary parameters for your plant according to your individual requirements.



// TECHNOLOGY

# STEEL PLANT DEMANDS.

## Only Advantages

As a producer of refractory masses and monolithic prefabricated blocks, we are a specialist for the demands of the steel plants. We meet high demands with high qualifying products.

In addition to quality products for the steel plant demands, we also provide appropriate machinery and man power for the processing and installation of our products.

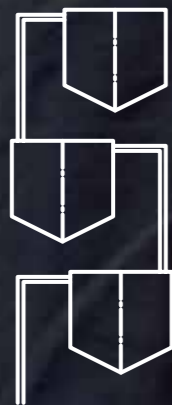


# TECHNOLOGIES.



## BLAST FURNACE

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



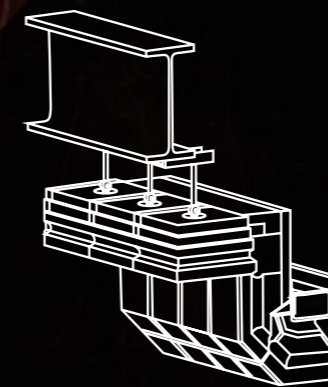
## CEMENT

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.



## COKE OVENS

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



## FURNACE- & PLANT ENGINEERING

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



## ALUMINUM

Our service includes the maintenance as well as the repair of firm plants and can be executed while the system is running or switched off position.