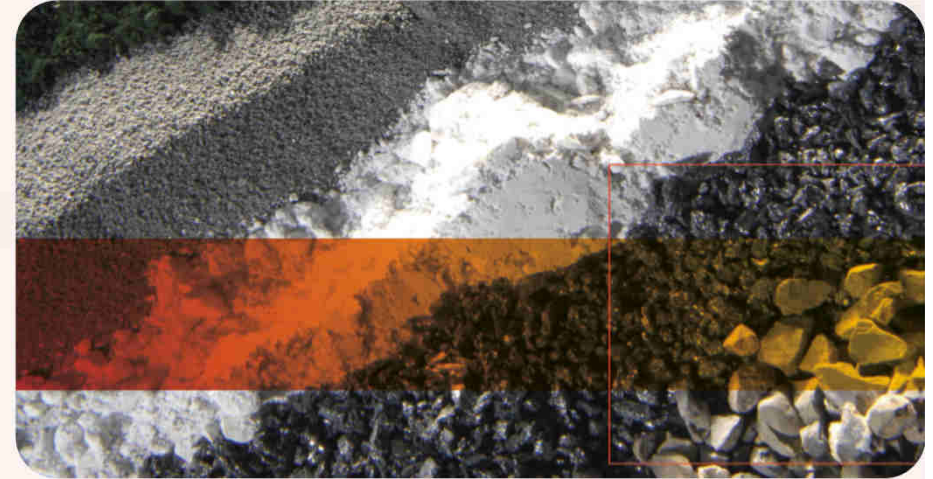

Glauch Systems

REFRACTORY SOLUTIONS

ABOUT GLAUCH SYSTEMS

- **Glauch Systems GmbH** is since 1988 manufacturer of different **Refractory Materials**
- Our medium sized company is specialized in refractory solutions for high temperature applications in following industrial areas:
 - steel industry / direct reduction plants, petrochemical / fertilizer plants, waste incineration, high temperature kilns, copper and aluminium, glass industry, ceramic industry... and more.



Everything from one source:

Korund / CORUNDUM, Mullit / MULLITE, Hohlkugelkorund / BUBBLE ALUMINA, **Schamotte / FIRECLAY**, Magnesit / Magnesite, Nitridgebundenen Siliciumcarbid / NITRIDE BONDED SILICON CARBIDE, Chromkorund / CHROMIUM corundum, Aluminiumsilikat / ALUMINA SILICATE, **Tabulartonerde / TABULAR ALUMINA**, Sillimanit / SILLIMANITE, Quarzglas / FUSED SILICA, Siliciumcarbid / SILICON CARBIDE, Leichtschamotte / LIGHT WEIGHT FIRECLAY, Isolierkorund / INSULATING CORUNDUM, Vermiculit / VERMICULITE, Bauxit / BAUXITE, Silikate / SILICATES, **Andalusit / ANDALUSITE**, Chromkorund / CHROMIUM CORUNDUM, Zirconiumoxid / ZIRCONIUM OXIDE, Keramische Fasern / ceramic fibre, **Keramische Matten / CERAMIC FIBRE BLANKET**, Calcium Silikatplatten / CALCIUM SILICATE BOARD, **Anker / ANCHORS**

Glauch Systems supplies complete solutions in a wide range of dense and insulating bricks, pre-fabricated shapes, insulation materials, castables / monolithics, mortars as well as all kind of studs, anchors, fixing and other related materials for Refractory projects



Glauch Systems
offers excellent
solutions for
applications
in difficult
atmospheres
and for contact
with aggressive
slags and melts

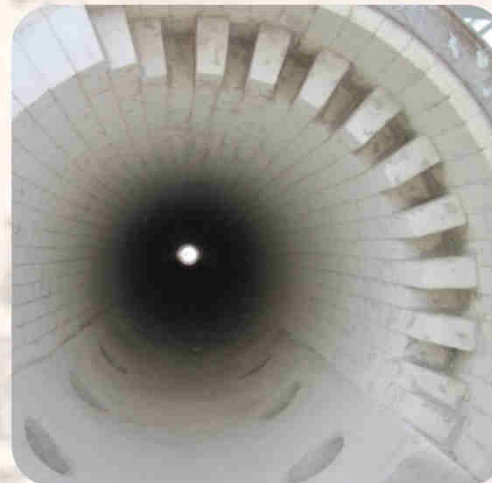
Carbon Black reactor
before repair



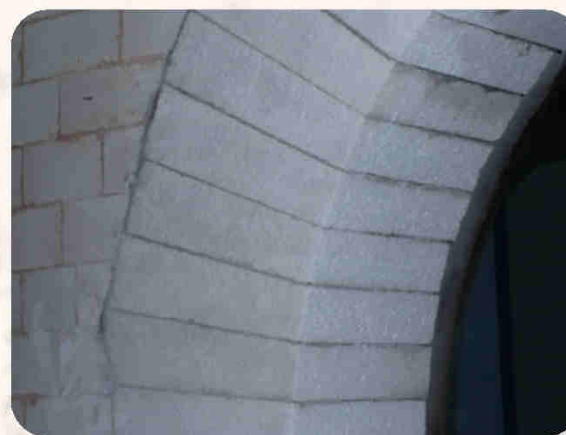
Carbon Black reactor after repair /
lined with corundum special
bricks LUPUDUR K 99



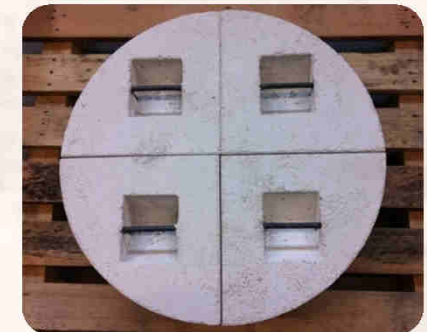
- **Bricks and Mortar**
- Our **LUPUDUR** bricks give us an undreamed of degree of flexibility. They are produced from different raw materials and in a wide range of dimensions in combination with the most suitable mortars (**LUPUMUR**) and mastic (**LUPUTEC**) for each application.



- Our insulating bricks LUPUDUR FL are available in following ASTM classifications:
- ASTM C 155: 16; 20; 23; 26; 28; 30; 32 and 33.



- **Prefabricated Shapes**
- Our prefabricated components and systems **LUPUBLOCK** guarantee an optimum function. We achieve excellent solutions for complicated installation situations by adapting the shape geometries in a perfect way. These shapes are also available in Fireclay, Andalusite, Bauxite, Mullite, Corundum, Zircon, Zircon Mullite, Chrome Corundum, Chromic Oxide or Nitride Bonded Silicon Carbide.



- **Unshaped products**
- The scope of application of the products **Glauch Systems** offers includes casting, gunning, ramming, vibration or smearing in order to achieve a dense and insulating refractory lining or one resistant to melts.



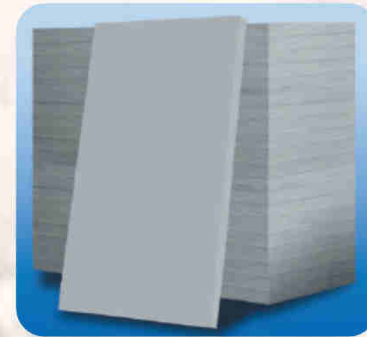
- LUPUSOL – Insulating mixes
- LUPUCAST – Castables, which can be also vibrated
- LUPUGUN – Gun Mixes of all material types, also abrasion resistant, available as dense or lightweight variants
- LUPUVIB – Vibration Mixes
- LUPUFLOW – Self-Flowing Castable
- LUPUFEST – Smearing Mixes, especially suitable for repairs
- LUPUPLAST – Plastic Mixes
- LUPURAM – Ramming Mixes. The exothermic mixes sinter without the need of water addition and generate a good mechanical strength, corrosion resistance and – if necessary – a high degree of thermal insulation.
- LUPUTEX – Exothermic dry-mixes
- LUPUSIT – Dry-Ramming Mixes



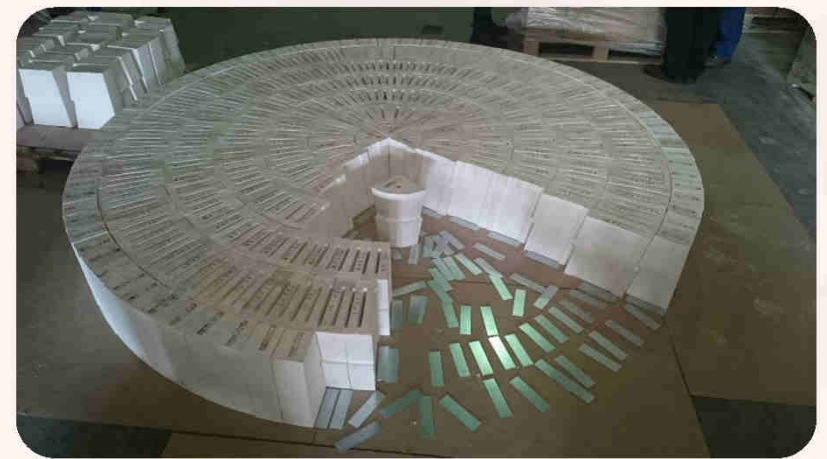
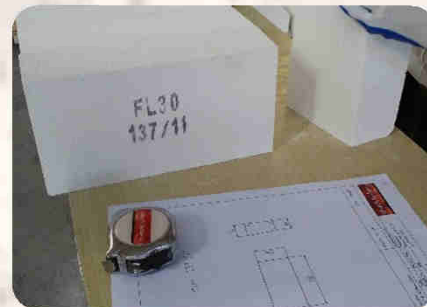
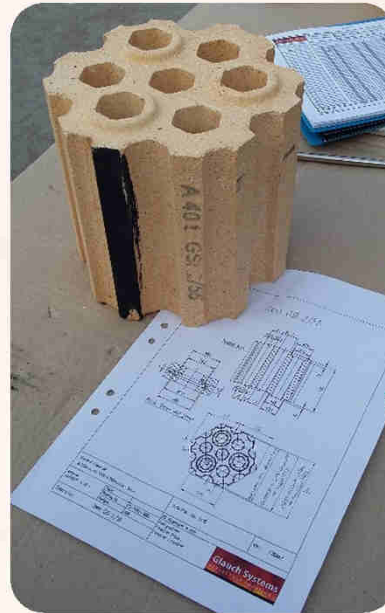
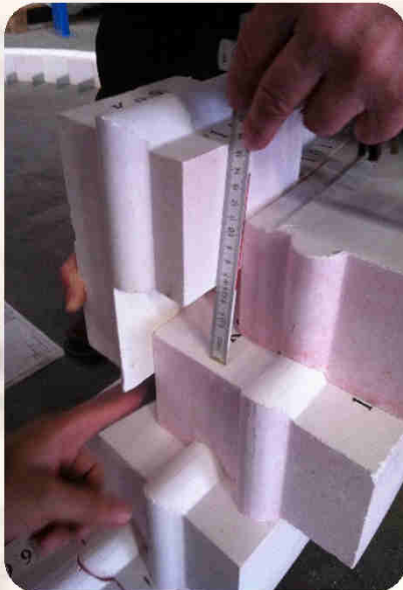
- **Insulating Materials**
- **Glauch Systems** provides high-quality insulating materials in different wall thicknesses.
This increases the capacity of your plant without compromising safety and efficiency.
Our refractory insulating materials are especially suitable for many high-temperature applications due to their low thermal conductivity.



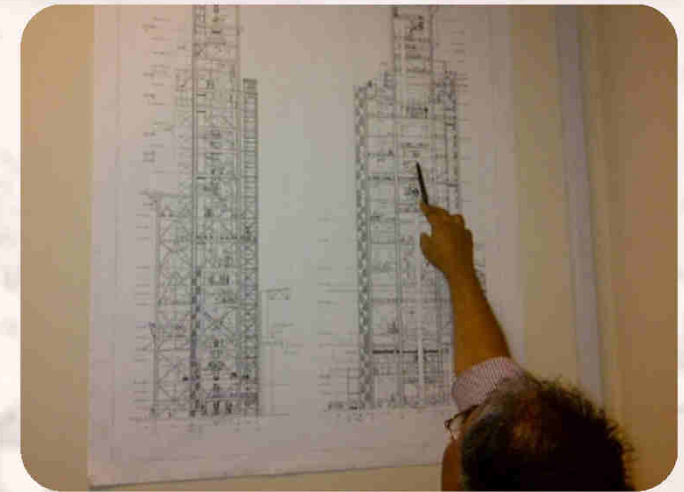
- LUPUSIL – Fibre-free Microporous Silicate
- LUPUCAS – Calcium Silicate tiles in different thicknesses
- LUPUMAT – Alumino-silicate fibre blanket
- LUPUBOARD – Vacuum-formed shapes from ceramic fibre
- LUPUWOOL – Alumino-silicate fibre wool
- LUPUFELT – Ceramic fibre felt



Inspection & Final Report
If requested we document all important information and doing the pre-assembly for you.



Glauch Systems GmbH also gives supervision service during installation if required.



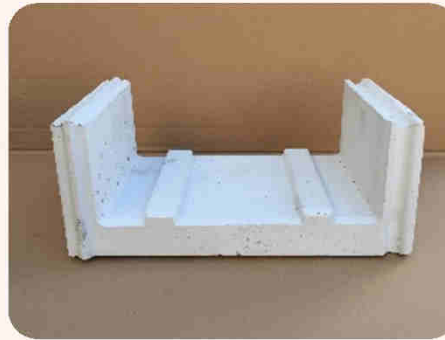
Refractory Bricks, Unshaped products, Prefabricated Shapes and Insulating Materials°

High-temperature plants each have their own specific requirements. Plants such as furnaces, incinerators and chemical reactors have differing demands: Our wide range of products offers the most suitable materials for the various needs of the following industries, i. e. steel, waste incineration, petrochemical, non-ferrous metallurgy, and the production of ceramics or cement.

FURNACE construction



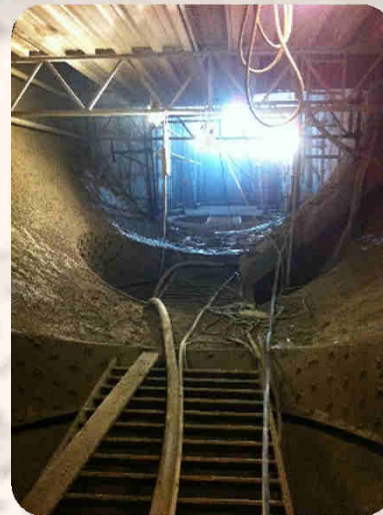
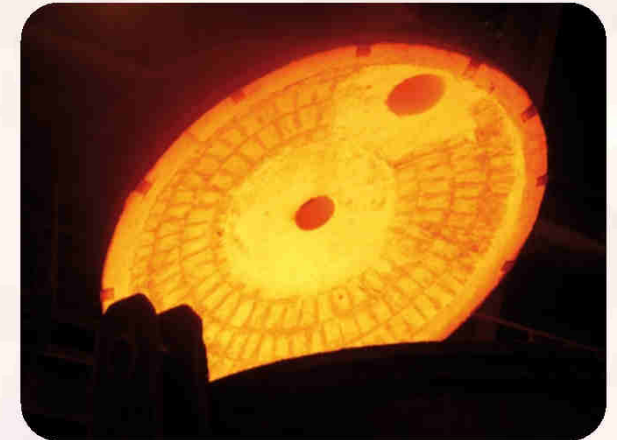
FURNACE construction



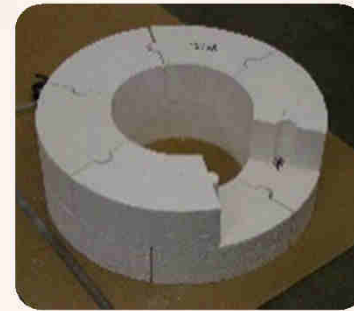
Steel industry



Steel industry



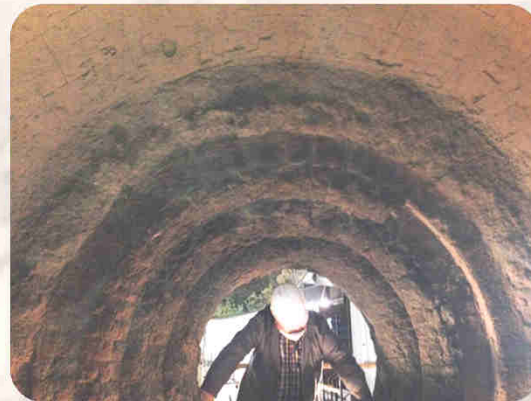
Chemical – Petrochemical



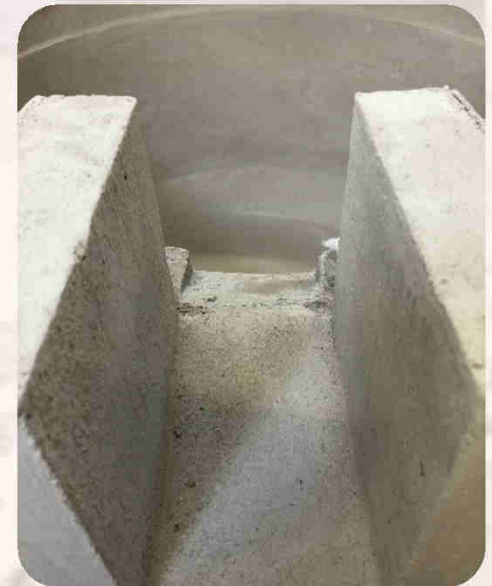
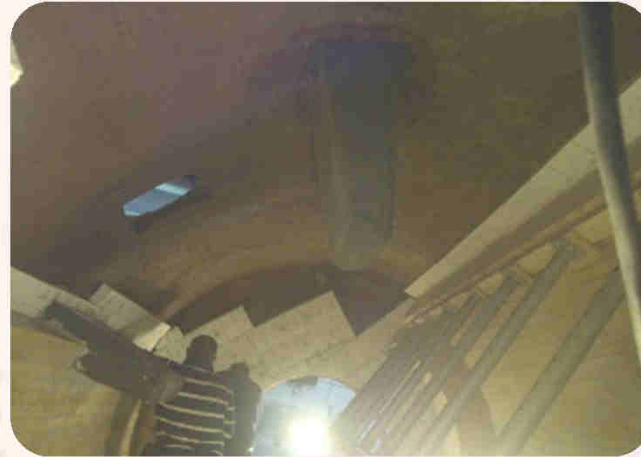
Chemical – Petrochemical



Waste incineration



Non-Ferrous Metals



Cement



CONTACT US!
WE VERY MUCH LIKE TO ADVISE YOU PERSONALLY!

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REFRACTORY SOLUTIONS

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