

Company Data

CONTACTS

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PLANNED EXHIBITIONS

Glasspex

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RATH: A reliable full-range supplier for the global glass industry

For 135 years, the international refractories manufacturer RATH has been developing and producing refractory solutions for high-temperature industrial applications. Headquartered in Vienna, Austria, the company manufactures refractory products for operating temperatures of up to 1,800 °C for a wide range of industries and serves customers worldwide through eight production facilities in Europe, the United States and India. Over recent decades, the company has also established itself as a trusted partner to the global glass industry and provides refractory solutions especially for the container glass industry, as well as for manufacturers of flat glass, E-glass, C-glass, tableware, art glass, and specialty glass worldwide.

Today, RATH is a full-range supplier to the glass industry, offering complete refractory concepts for every stage of glass production. The portfolio includes customized solutions for melting tanks, distributors and forehearth, as well as feeder wear parts. RATH has also introduced a complete refractory concept for regenerators, including checker bricks. By combining deep industry expertise with continuous innovation, RATH supports glass manufacturers in optimizing efficiency, reliability and sustainability throughout their operations.

Expanding the portfolio: premium checker bricks, made in Europe

To further strengthen its offering for the glass industry, RATH has recently added premium checker bricks to its portfolio.

Manufactured in Europe using high-purity raw materials, these products represent a genuine European alternative for the international glass market.

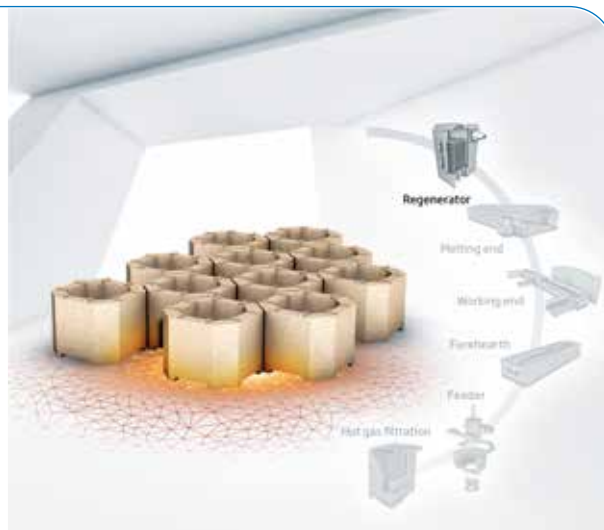
Developed through intensive research and development and manufactured using state-of-the-art production technologies, the checker bricks combine proven refractory expertise with stable, consistent quality that meets the industry's toughest standards. They are manufactured on a fully automated line, complete with calibration. Thanks to flexible production capacities, availability can be tailored to customer requirements.

RATH checker bricks combine a range of benefits designed to meet the highest operational demands. The high-quality magnesite and zircon-magnesite checker bricks deliver superior chemical resistance, supported by multiple options for fully customized solutions. High durability and outstanding corrosion resistance ensure long-term reliability, even in the toughest environments. Engineered for stability and strength, the optimized geometry also maximizes efficiency by ensuring uniform distribution of flue gases and airflow.

In addition, the checker bricks are designed for quick, straightforward installation and maintenance, helping customers to reduce construction time. An optional PLUS Concept provides basic bricks with a shelf life of up to 24 months, offering greater flexibility in planning and project scheduling.

Driving sustainability with ceramic hot gas filter technology

With tightening emission limits and rising energy costs, glass manufacturers are increasingly looking for technologies that improve environmental performance without compromising process efficiency.



RATH addresses this challenge with its innovative ceramic hot gas filter elements, which enable the early removal of dust from particulate-contaminated exhaust gases at high temperatures. The need for inefficient cooling of exhaust gases solely for filtration is eliminated by RATH's ceramic hot gas filter elements. Using these elements improves the energy balance, as the exhaust gas temperature does not need to be lowered and then reheated. It is an approach that offers both ecological and economic benefits.

For many years, the company has developed innovative ceramic hot gas filter elements that enable the filtration of particle-laden industrial flue gases at temperatures up to 1,000 °C, reducing emissions of nitrogen and sulfur oxides, as well as of fine particulates. These hot gas filter elements are manufactured in Europe using RATH fibers and are available in variable lengths from 1 to 6 meters. This technology helps the glass industry meet stringent emission protection requirements in industrial plants. In addition to ensuring compliance with environmental regulations, plant operators can return materials recovered from exhaust air, such as dusts, to the production process, thus improving plant efficiency and conserving raw material resources.

www.rath-group.com/glass

www.rath-group.com/hot-gas-filtration



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