

PRODUCT INNOVATION

New to the **RATH** portfolio: High-quality checker bricks, made in Europe

Delivering advanced refractory innovations, RATH expands its offerings to support global glass manufacturers with high-performance checker bricks and comprehensive regenerator concepts - all to enable stronger sustainability, improved process reliability and long-term operational efficiency across diverse glass production environments worldwide today.

MADE IN EUROPE: HIGH-QUALITY CHECKER BRICKS

Internationally operating refractory manufacturer RATH has steadily expanded its portfolio of future-proof refractory solutions for the global glass industry. Indeed the company is now a full-range supplier of bonded materials in this sector. Most recently,

as part of the R² technology alliance with the renowned refractory partner Refratechnik, RATH added high-quality checker bricks to its offering. Manufactured in Europe (Germany) from high-purity raw materials using state-of-the-art technology, these provide a genuine European alternative for the international glass market. RATH now offers a complete range of refractory solutions

for glass manufacturing - from customised solutions for melting tanks, distributors and forehearth to feeder wear parts. The company has also introduced a complete refractory concept for regenerators - including checkerwork.

NEW CHECKER BRICKS: BUILT FOR PERFORMANCE

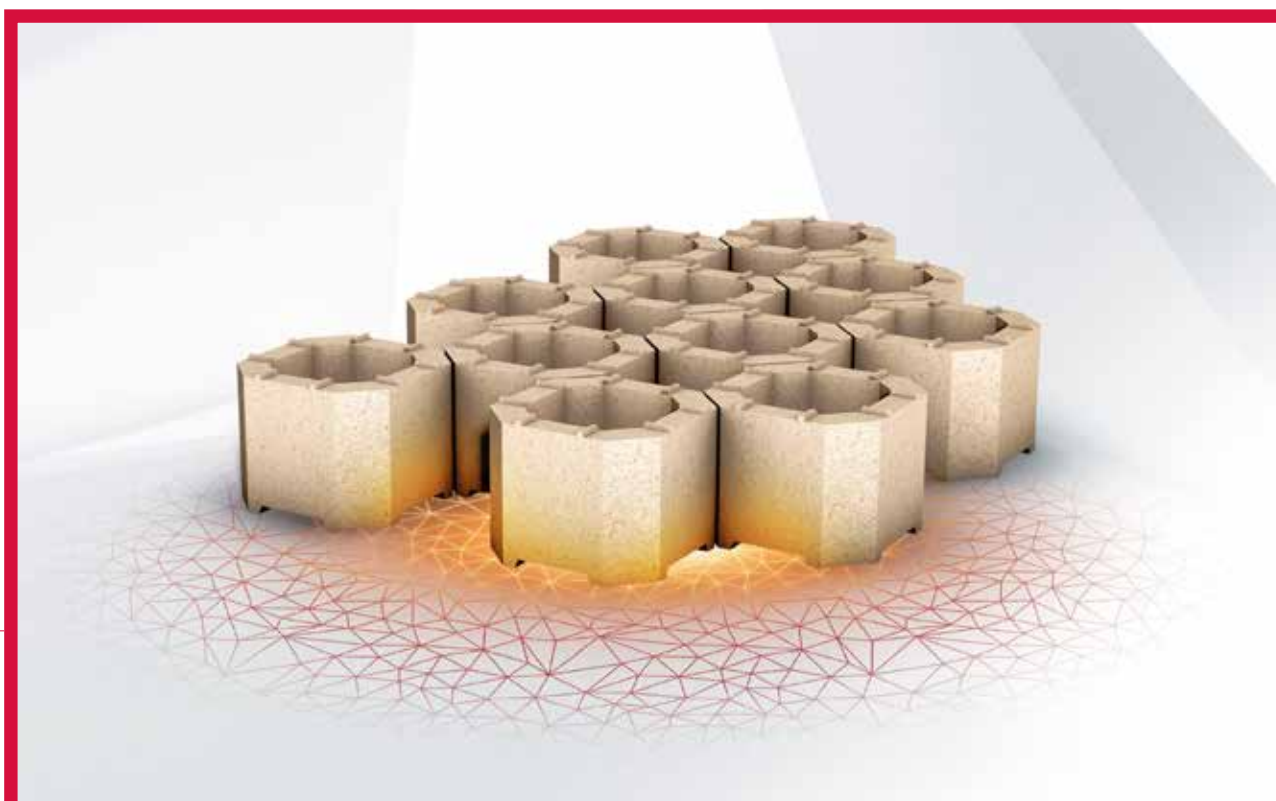
The latest addition to RATH's glass industry portfolio is its range



of premium checker bricks - a genuine high-quality European-made alternative for the international glass market. Made in Europe, these bricks use only high-purity raw materials under strict quality control. The result is stable, consistent quality that meets the industry's toughest standards. They are manufactured in Germany on a fully automated line, complete with calibra-

tion. RATH checker bricks combine a range of benefits designed to meet the highest operational demands. They deliver superior chemical resistance, supported by multiple options for fully customised solutions. High durability and outstanding corrosion resistance ensure long-term reliability, even in the toughest environments. Engineered for stability and strength, the optimised geom-

etry also maximises efficiency by ensuring uniform distribution of flue gases and airflow. In addition, the checker bricks are designed for quick, straightforward installation and maintenance, helping to reduce construction time. An optional highlight is the PLUS Concept: basic bricks with a shelf life of up to 24 months, offering greater flexibility in planning and project scheduling.



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FUTURE-ORIENTED REFRACTORY SUPPLIER WITH DEEP INDUSTRY EXPERTISE

RATH has been developing and producing high-quality refractory materials for more than 130 years. In recent decades, the company has, among other things, specialised in the production of refractory materials for the glass industry, and offers refractory solutions especially for the container glass industry - but also flat glass, E-glass, C-glass, tableware, art glass and special glass manufacturers worldwide.

READY FOR THE FUTURE WITH RATH CERAMIC HOT GAS FILTER ELEMENTS

A hot topic in the glass industry is the early removal of dust from particulate-contaminated exhaust gases

at high temperatures - an approach that offers both ecological and economic benefits. The need for inefficient cooling of exhaust gases solely for filtration is eliminated by RATH's innovative ceramic hot gas filter elements. Using RATH ceramic filter elements improves the energy balance, as the exhaust gas temperature doesn't need to be lowered and then reheated. 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 1000 °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 fibres and are available in variable lengths from 1 to 6 metres. 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 e.g. dusts to the production process by filtering them from the exhaust air, thus improving plant efficiency and conserving raw material resources. ■

RATH

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