

TECHNICAL CERAMICS


W. HALDENWANGER
Technische Keramik GmbH & Co. KG

A member of the Morgan Crucible Company Plc

Overview of products and technologies



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Heat, Corrosion, Endurance, Insulation ...

State-of-the-art technology requires maximum performance from the materials involved. Technical Ceramics proves its durability when other materials have long failed. Through the use of pure synthetic raw materials Technical Ceramics is known as a competent and high tech material for extreme applications. HALDENWANGER has been a crucial participant in the more than 135 year development of Laboratory Porcelain Manufacturing and have become the worldwide leading manufacturer of High Performance Ceramics.

Sillimantin 60
Sillimantin 60 NG
Sillimantin 65
Sillimantin 65 NG
Sillimantin 90
Pythagoras
CM, CZ, CZM
Fused Silica
Halsic-R
Halsic-I
Halsic-RX
Halsic-S



Excellent Surface Finish FUSED SILICA ROLLERS

Outstanding mechanical features and a special surface quality make our Fused Silica Rollers indispensable as transport rollers in various glass tempering furnaces. Among others, safety glass for architecture and the automobile industry is refined in such furnaces. Moreover, we offer various types of Fused Silica Rollers, also with integrated metal caps. Customised designs are always possible.



hollow rollers, solid rollers, integrated metal caps, grooved rollers and other customised designs

Tradition LABORATORY PORCELAIN

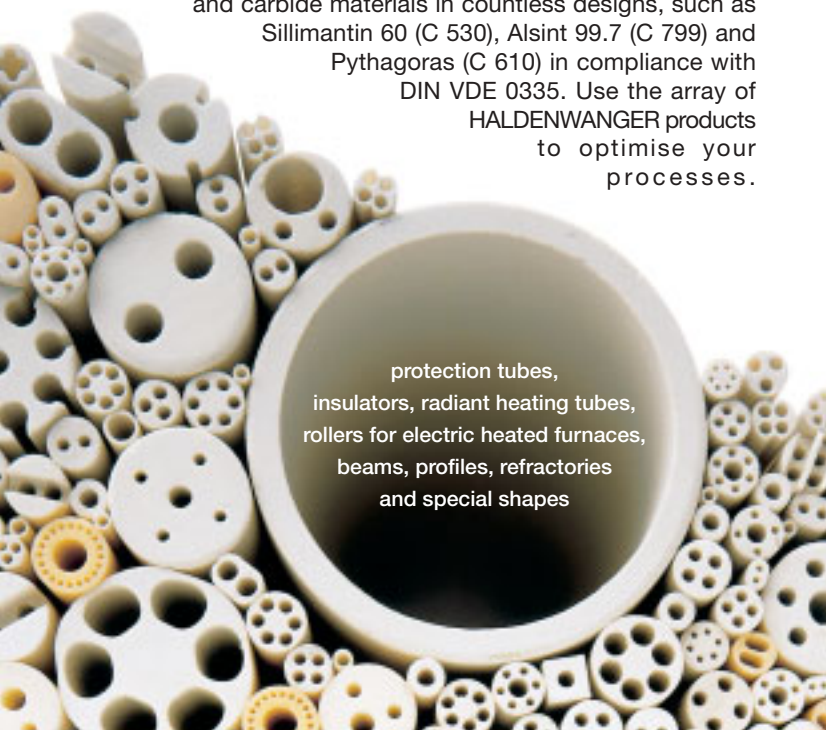
We have been producing and optimising our Laboratory Porcelain for more than 135 years. Our quality and our wide range of products have established our globally recognised reputation. Our Laboratory Porcelains are in accordance with DIN VDE 0335, Type C 110. For special requests, among others, we offer laboratory products such as crucibles, slabs, bins, shuttles, also from Alsint 99.7, impervious or Alsint porous.



mortars, pestles, evaporating basins, Incinerating dishes, crucibles, filter crucibles, filter discs, tiles, funnels, ball mills, spatulas with spoon, combustion boats ...

Variety TUBES

Stable processes require customised components. Our comprehensive range of Tubes delivers optimal solutions for applications up to 2000°C – in aggressive mediums as well as in alternating thermal stress loads. We offer all in all 15 oxide and carbide materials in countless designs, such as Sillimantin 60 (C 530), Alsint 99.7 (C 799) and Pythagoras (C 610) in compliance with DIN VDE 0335. Use the array of HALDENWANGER products to optimise your processes.



protection tubes,
insulators, radiant heating tubes,
rollers for electric heated furnaces,
beams, profiles, refractories
and special shapes

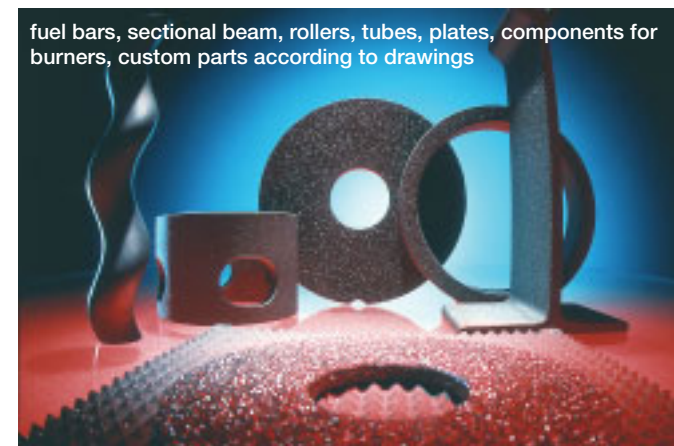
Long Service-Life ROLLERS

Optimally customised materials and dimensions extend the service life of the ceramic rollers. A unique range of materials with a total of more than 10 oxide and carbide materials for application temperatures of up to 2000°C combined with more than 40 years of know-how guarantees the long service life of our Rollers. We manufacture Standard and High-End products for standard applications, including firing of wall and floor tiles, porcelain dishes, sanitary ceramics, roofing tiles, etc. Our patented Top-Quality synthetics are ideal for metal tempering and other extreme applications.



High Performance HALSIC

The name Halsic consists of four remarkable ceramic high-performance materials from the silicon carbide (SiC) group. Aside from high quality Halsic-R (recrystallized SiC), Halsic-I (silicon infiltrated SiC) and Halsic-S (sintered SiC) we offer our patented Halsic-RX material, which is extremely resistant to oxidation owing to unique SiC properties.



fuel bars, sectional beam, rollers, tubes, plates, components for burners, custom parts according to drawings

Flexibility SPECIALITIES

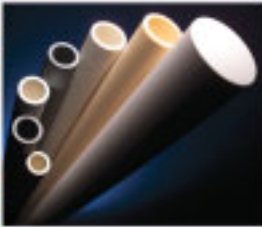
Customised products are also in good hands with us. Aside from our large variety of production technologies like extrusion, casting, isostatic pressing and dry pressing, HALDENWANGER also offers customised die cast components. We also offer zirconium oxide (Y-TZP, MgO-PSZ and CaO-FSZ) for special uses through us.



Variety
TUBES

Excellent Surface Finish
FUSED SILICA ROLLERS

Tradition
LABORATORY PORCELAIN



Long Service-Life
ROLLERS

High Performance
HALSIC

Flexibility
SPECIALITIES



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Haldenwanger forms part of the Morgan Advanced Ceramics group, which is a global business unit of the Morgan Crucible Company Plc.



Morgan **Advanced Ceramics**

www.morganadvancedceramics.com



www.haldenwanger.de