





Morgan Advanced Materials Haldenwanger has achieved international ISO 9001:2008, ISO 14001:2004 and BS OHSAS 18001:2007 certification.

Morgan Advanced Materials Haldenwanger GmbH Teplitzer Str. 27 84478 Waldkraiburg Germany

T +49 (0)8638 60 04-0 F +49 (0)8638 60 04-317

info.haldenwanger@morganplc.com

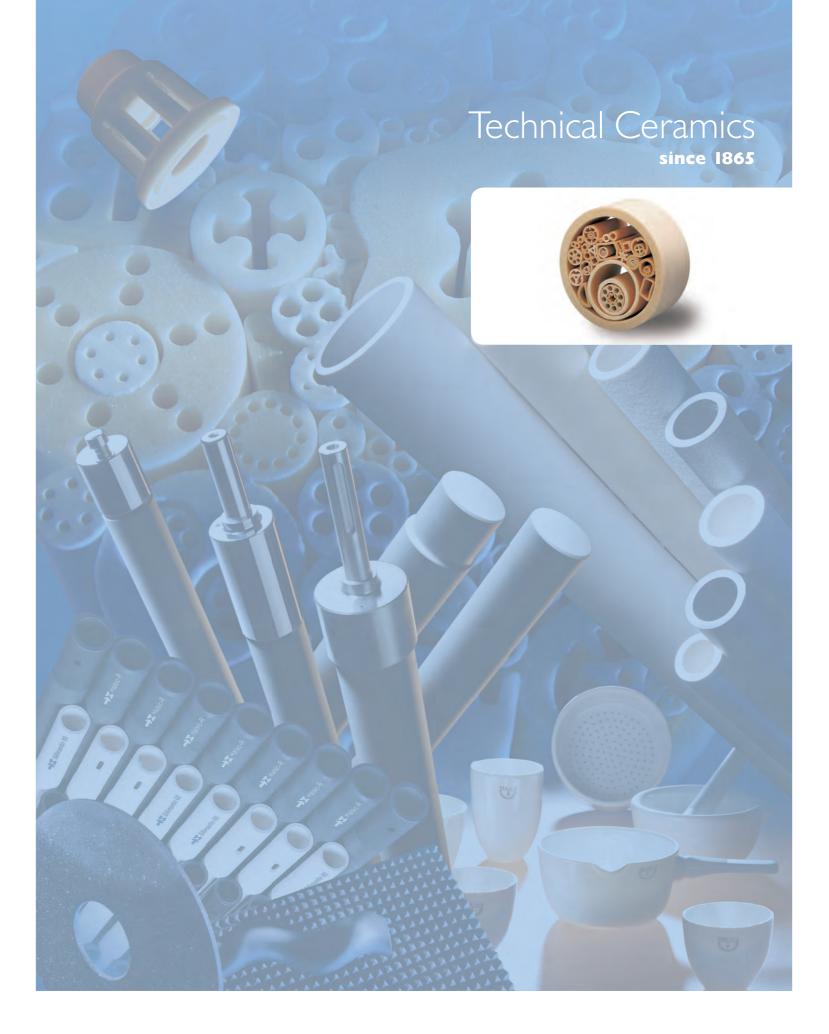




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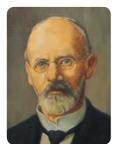


150 Years of Haldenwanger

Specialist manufacturer of technical ceramics since 1865

W. HALDENWANGER

Founded I50 years ago



Wilhelm Haldenwanger founded his eponymous porcelain manufactory in Berlin-Charlottenburg in 1865. The company began producing porcelain for medical applications, such as apothecary jars and sanitary crockery. Alongside Ernst and Paul March and August
Niemann, Wilhelm

Haldenwanger was one of the key figures in the manufacture of technical ceramics in Berlin. In 1868/69, Alfred Bruno Schwarz provided the funding that secured the company's survival.

Production then moved in 1882 from Charlottenburg to Heer-straße, a nearby street in Spandau, which at the time was still an independent town. In the meantime, Alfred Bruno Schwarz had secured all Haldenwanger shares and became the company owner. However, the W. Haldenwanger name was so well known that

it was retained. In 1896, the Haldenwanger company took part in the first Great Industrial Exposition of Berlin. In 1910, the company began manufacturing ceramic tubes as well.

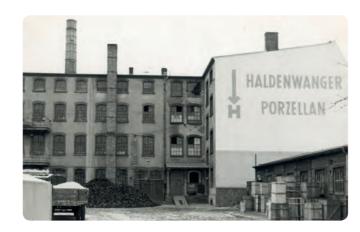
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Steel boom and new plants in Waldkraiburg



Starting in 1945, the factory site in Berlin-Spandau was rebuilt as much of it had been destroyed during World War II. Plant I mainly manufactured ceramics for domestic use in the years immediately following the war due to strong demand. Shortly after that, the Haldenwanger company switched to

technical ceramics again. Haldenwanger grew in the sixties with the boom in the steel industry.



A sales office and warehouse were set up in Düsseldorf in 1962 so that the steel industry in the Ruhr in particular could be supplied faster and more closely supported. In addition to the plant in Berlin, another production site in Germany was looked for to expand Haldenwanger's capacity. The ideal conditions were found in Waldkraiburg, Bavaria, with Plant II going into operation there in 1963.

In 1970, Plant I in Berlin was relocated to the industrial zone in Berlin-Spandau. Sales subsidiary ETK Export Technische Keramik, Waldkraiburg/Munich was founded a year later to boost exports. In 1985, Plant III came on line in Waldkraiburg. SiC production began in 1990. The Waldkraiburg plant was enlarged to separate 'black' SiC production from the remaining 'white' ceramics production, and thus Plant IV was born.





Haldenwanger becomes part of Morgan Technical Ceramics

In 1997, Haldenwanger was sold by its then shareholders (including Ms Schwekendiek, great-granddaughter of Alfred Bruno Schwarz) to British company Morgan Crucible Company PLC. The Production, Design and Sales units were centralised at the Waldkraiburg site following a restructuring in 2004.





1865	Porcelain manufactory Wilhelm Haldenwanger is founded
	W. HALDENWANGER
	Gegründet im Jahre 1865. Charlottenburg, Gegründet im Jahr fertigt von derselben Masse und derselben Glasur wie die ihrer Zeit aufgelös
882	Relocation to Heerstraße in Spandau, near Berlin
	Specialität. Geschirre für Anstalten und Krankenhäuser, Spec
896	mit Schrift unter Glasur. First Great Industrial Exposition of Berlin
	Carried Spirit
910	Production is extended to include the manufacture of tubes
945	Reconstruction of the destroyed factory site in Berlin-Spandau
962	Sales office and warehouse in Düsseldorf
963	Plant II opens in Waldkraiburg
970	Plant I is moved to the Berlin-Spandau industrial zone
985	Relocation and expansion of the new Plant III, Waldkraiburg
	Telecontrol and expansion of the new years in, wands about
990	Start of Halsic-R and Halsic-I production

997 Member of Morgan Crucible Company PLC, UK

Consolidation of business units at the Waldkraiburg site