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Community



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Employees	>200
Certificates	ISO 9001ISO 14001ISO 50001OHSAS 18001
Year founded	1865
Associations	DKG

CONTACT PERSONS

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PRODUCTS OR MACHINERY

Manufactured from a material composition that is 99.8% SiO2, Morgan Advanced Materials Haldenwanger' fused silica rollers are the perfect choice for use in a range of furnaces.
The **fused silica rollers** feature very low thermal expansion and superior thermal shock resistance, and can be used continuously at temperatures up to 1000 °C.
Due to their superior mechanical properties and their special surface quality, Morgan Advanced Materials Haldenwanger' fused silica rollers are mostly used in several types of annealing kilns and glass tempering furnaces.

Among other things, these kilns create safety glass for automotive or architectural use. As an alternative, we also offer fused silica rollers with metal cap in a range of designs. Special fabrications can also be done at any time.
Hollow rollers, metal caps, grooved rollers, solid rollers, and other special varieties are possible.

The fused silica material is also featured in a range of other products such as crucibles those need to endure high thermal shock, e.g. for high-frequency melting applications.

Our Haldenwanger business is pleased to offer their **Halcoat coating** which is used for the **protection of fused silica rollers** in steel treatment appliances, such as in hot pressing furnaces.
Halcoat is made from silicon nitride Si3N4 which repels molten metal, particularly aluminium.
When used as a coating, it significantly extends the operational life of our fused silica rollers, which are otherwise vulnerable to damage from the splashes and drips of molten metal. Like fused silica, it has a very low thermal expansion and excellent resistance to thermal shock.
For more information on **Halcoat** as a protective coating, our fused silica rollers or our fused silica material please contact us today.

COMPANY BACKGROUND / HISTORY

Having more than 150 years of industrial experience, **Morgan Advanced Materials** offers a broad range of technical and refractory ceramics under its **Haldenwanger** trade name.

The Haldenwanger Business Unit as part of the Morgan Advanced Materials group operates globally from their own three production and trading sites, which are located in Germany, the US, and China.

Haldenwanger employs some 450 ceramic experts in their global development, production, sales and logistics departments. So wherever you are, we make sure that you get the best service out of the site nearest to you.

The majority of the 15 different materials that we all produce on-site is specially designed to be used at temperatures of above 300°C (and up to even 1,800°C). In our portfolio, we have a whole range of conventional and novel oxide ceramics as well as our renowned SiC product group.

In the glass industry, Haldenwanger has been known for many decades. We have been supplying not only a number of products into various glass melting applications, such as thermocouple protection tubes, but also fused silica rollers into glass annealing and glass tempering machines. In addition, we have delivered special high temperature and wear resistant key parts for use in container glass machines.

Haldenwanger has partnered with some of the finest glass tempering machine builders for many years. At the same time we are your number one partner in the re-work and spare part business for fused silica rollers.

If you are uncertain which material would serve your requirements best or which service to retrieve from us, do not hesitate to get in touch with a Haldenwanger technical sales representative or a ceramics engineer to identify the best solution. To this end, we have our global sales team available as well as some 20 specialists in our R&D facility in Germany.