

Technical Information

ISO8

Performance Coatings

ZTH PTCR (560–660 °C)

Product description

ZTH, the most recent member of process temperature control rings (PTCRs) developed by Vibrantz, is the only product in the market which can measure precisely temperatures below 660°C. This user-friendly, low-cost tool allows customers to have better control on their thermal processes to achieve desired properties and can also assist them to increase production yield.

ZTH is applicable for batch- and continuous kilns with different atmospheres including air, oxygen, nitrogen, hydrogen, argon, and vacuum. For consumers comfort Vibrantz offers all ZTH in prefired formats. ZTH like other PTCR references consists of environmentally friendly components and has no negative effect on atmosphere of furnace.

Applications

- Electronic industries like ULTCs, semiconductors, ...
- Glass and ceramic industries like special sealing glass, annealing furnaces, decoration of glass & porcelain ...

The information and recommendations contained herein are based on data we believe to be reliable and does not imply any warranty or performance guarantee, as conditions and methods of use of our products are beyond our control. The data herein is determined using Vibrantz's standard test methods. Hazard and safety information with respect to this product is available in the applicable SDS. Vibrantz will not be liable under any circumstance for consequential or incidental damages, including but not limited to, lost profits resulting from the use of our products.



Specifications

ZTH measures exactly the peak temperature of fast- and slow firing thermal processes over temperature range of 560–660°C with a wide range of soaking times; from 5 min. up to 120 min. This product is available in a thickness of 7 mm. The thinner version (ZTL; 3.5 mm) is available upon special request.

The temperature table provided for each ZTH batch is specific and it is valid for 1 h soaking time at peak temperature. Vibrantz provides own customers an accurate temperature curve for correcting the temperature table for other soaking times.