



## ART.300

### THERMOCHECK RINGS

PROCESS TEMPERATURE CONTROL RINGS

Take control of your firing process.

In the manufacturing of Zirconia products, an accurate check of the firing process has a pivotal importance: the results have a direct effect on the quality of the final product.



### How It Works

The rings have to be placed in the kiln where an evaluation of the thermal performance is required. After placing the rings in the furnace at the desired position, the firing process can occur. At the end of the firing cycle, the diameters of the rings have to be measured.

Process temperature control rings are highly accurate ceramic indicators for the total amount of heat absorbed during the firing cycle.

Thermocheck rings can take in account both the radiated heat in the kiln as well as the transferred heat through the kiln lining etc., during the whole firing cycle.

### Converting into Temperature

The measured diameter of the ring can be converted into temperature using the temperature conversion table delivered with each package unit. Each table is specific to a particular batch of rings.

### Measurement

The contraction of the ring reflects the absorbed amount of heat at the point where the ring was located in the kiln. The diameter is easily measured using a micrometer.

Correct positioning of the ring in the micrometer is required for an accurate measurement.

In order to have a reliable measurement the diameters must always be measured at a fixed position.

### ITEM P300 THERMOCHECK RINGS

White, temperature range 1450/1750°C.

Pack of 15 rings.

Complete with temperature conversion table.

Needs Digital micrometer for the measurement, with 1/1000 reading.