

PTCR - PROCESS TEMPERATURE CONTROL RINGS - COMPREHENSIVE DATA SHEET

The key to high quality products through improved, reliable firing control

The PTCR - Process Temperature Control Ring is a ceramic product that registers the actual heat treatment in kilns through contraction of its diameter. The PTCR takes account of both radiation and transfer heat as well as of the effects of temperature over time. It indicates the accumulated total heat treatment in a practical, single number: Ring Temperature (RT)

PTCR ETH/ETL

A PRODUCT INFORMATION Complete type nomenclature PTCR ETH 850-1100°C / 1562-2012°F Product identification PTCR ETL 850-100°C / 1562-2012°F Ring colour as supplied ETH/ETL - code impressed in each ring Light Green Batch-specific tables are included in each SPQ*-box * SPQ = Standard Packing Quantity * SPQ = Standard Packing Quantity B APPLICATION INFORMATION 850-1100°C (1562-2012°F) Recommended Temperature Range (ATR) 850-1100°C (1562-2012°F) Applicable in atmospheres including Air, nitrogen*, hydrogen*, argon*, vacuum* Applicable in kilns including Batch and continuous kilns Substrate Eine Alumina powder * before application, the ring- must be pre-fired under oxidizing atmosphere. Heat treat program available at vibaniz C AVAILABLE VERSIONS PTCR ETH Dimensions: diameter 20 mm, height 7 mm PTCR ETH Dimensions: diameter 20 mm, height 3.5 mm D QUALITY INFORMATION Accuracy guarante (68%) RTR ± 2.5 °RT Batch identification Batch number is impressed in each ring E ENVIRONMENTAL INFORMATION Main chemical ingredients Silicates and various dopes (not for internal		
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PTCR ETH, ETL 850–1100°C (1562–2012°F)		
PTCR LTH, LTL 970–1250°C (1778–2282°F)		
PTCR STH, STL 1130–1400°C (2066–2552°F)		
PTCR MTH, MTL 1340–1520°C (2444–2768°F)		
PTCR HTH, HTL 1450–1750°C (2642–3182°F)	PTCR HTH, HTL 1450–1750°C (2642–3182°F)	
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