Temperature Verification

Orton	Self-Service	Product Se	lection Guide
-------	--------------	------------	---------------

Do you want to measure the temp	rature uniformity of your process?
---------------------------------	------------------------------------

Do you want to document your thermal process?

Is a visual indicator important to you?

Would you prefer easily digitized data?

Do you have High Velocity air movement inside your kiln or furnace?

Is the transfer of the product through your process smooth?

Is the transfer of the product through your process sometimes rough?

Do you prefer heatwork measured by pyroplastic deformation?

Do you prefer heatwork measured by calibrated shrinkage?

Would software that allows you to document your process over time be helpful?

Do you require a hole in the product to fasten down the shrinkage device?

Are you processing in a vacuum? (ie Metal processing)

Are you processing in an atmosphere other than Air? (inert/reducing)

Do you need an inert product with no out-gassing?

Do you require "time at temperature" data for times other than 60 minutes?

Do you have rapid heat up conditions? (ie heat treating, brazing, fast fire ceramic tile)

Does your process include rapid quenching?

		Large	SS
TempCheks	TempTabs	Cones	Cones
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
		Yes	Yes
Yes	Yes		
Yes	Yes	Yes	
Yes	Yes	Yes	Yes
Yes	Yes	Yes	
		Yes	Yes
Yes	Yes		,
Yes	Yes		
	Yes		
	Yes		
	Yes		

Yes

Yes

Yes

Yes

Product Application by Industry

Traditional Ceramics

Sanitaryware

Brick

Floor and Wall Tile

Roofing Tiles

Pottery

Fast Fire Ceramic Tile - Monoporosa

Advanced Ceramics / Materials

Investment Casting

Body Armour

Lithium Ion Batteries

Electronics

Any Process requiring a prefired product (no contamination)

Metal Processing

Powder Metal Sintering

Brazing

Heat Treating

Annealing

		Large	SS
TempCheks	TempTabs	Cones	Cones
X		X	X
X		X	X
X		X	X
X		X	X
		X	X
	X		

X	X	X
X		X
X	X	
X		
	X	

X	
X	
X	
X	