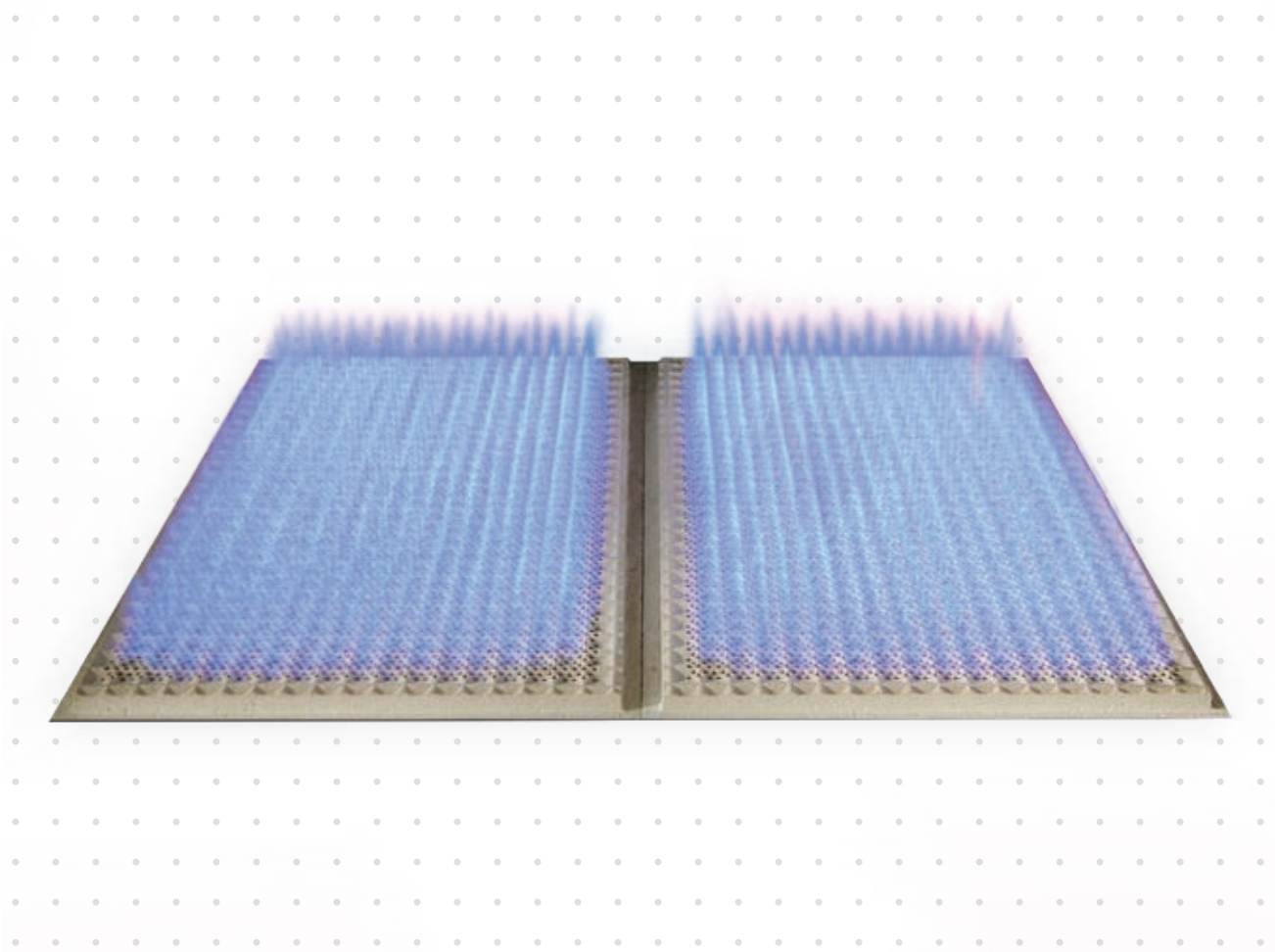




**InfraCer™ Plaques**  
Ceramic Perforated



# InfraCer™ Ceramic Perforated Plaques

## Applications

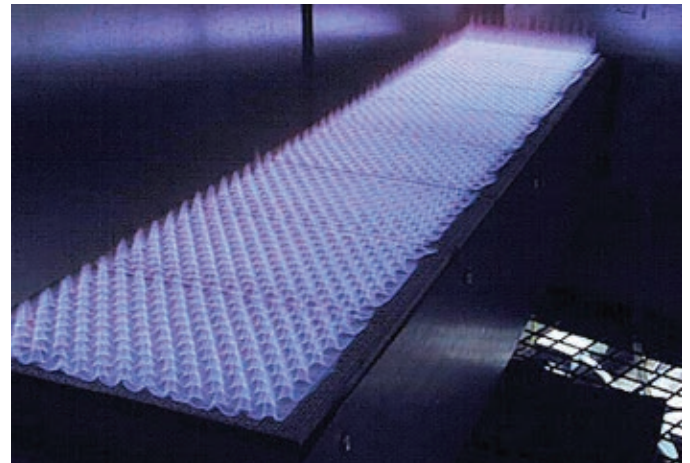
- Room heaters (vented, unvented)
- Industrial radiant heaters
- Industrial process techniques
- Camping and grill appliances
- Water and central heating boilers
- Glass ceramic cooking tops

## Gas types

Propane, Butane, Natural Gas

## Advantages

- Ideal for infrared use
- High chemical and thermal stability as well as thermal shock resistance
- Almost complete combustion (NO<sub>x</sub>, CO) of the gases due to comparatively low flame temperature. With a corresponding layout of the burner system, CO values smaller than 80 ppm are obtainable
- High level of radiation, optimal efficiency factor
- Variable port loading: 12-100W/cm<sup>2</sup> (according to burner configuration and application)



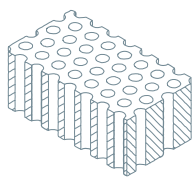
Individual heating applications exhibit longer lives with InfraCer ceramic plaques

**Contact us for more information**

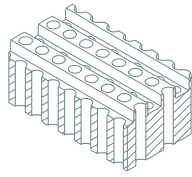
+49 (0) 9123 181 544 or [info\\_lauf@coorstek.com](mailto:info_lauf@coorstek.com)

## SURFACE PROFILES

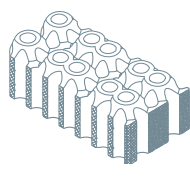
The size determined by production can be increased with bonded plaques



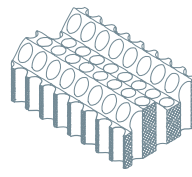
flat



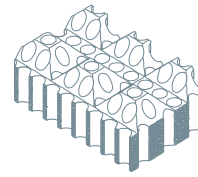
flange



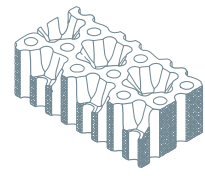
"8" shaped



trapezoidal



corrugated



honeycomb

MATERIAL PROPERTIES		CERAMIC BODIES				
		Aluminum Silicate	Cordierite			
Description	Unit	P50A	P46	P56	P48	P55
Colour		WHITE-PINK	YELLOW-BROWN	YELLOW-BROWN	WHITE	GRAY
Bulk Density	g/cm <sup>3</sup>	1.00 - 1.10	1.00 - 1.10	1.10 - 1.20	1.07 - 1.17	1.30 - 1.40
Apparent Porosity		60 - 64	53 - 63	52 - 59	54 - 59	45 - 54
Lin. Thermal Coefficient	x10 <sup>-6</sup> K <sup>-1</sup>	4.5 - 5.5	3 - 4.5	3 - 4.5	3 - 4.5	< 3.5
Softening Point	°C	1300	1400	1400	1400	1400
Max Surface Temperature	°C	930	1200	1200	1200	1200
Hole Diameters	mm	0.95 - 1.5	0.95 - 1.5	0.95 - 1.5	0.95 - 1.5	0.95 - 1.5



The chart is intended to illustrate typical properties. Property values vary with method of manufacture, size, and shape of part. Data contained herein is not to be construed as absolute and does not constitute a representation or warranty for which CoorsTek assumes legal responsibility. CoorsTek and Amazing Solutions are registered trademarks of CoorsTek, Inc. InfraCer™ is a trademark of CoorsTek, Inc.

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