

# MetFlame™ PB



Infrared **P**ower **B**urner Emitter

**MetFlame™ is a Metal Foam Flame Stabilizer / Infrared Emitter from Porvair Advanced Materials, Inc. (ISO 9000:2000 and ISO 14001 certi-**

**MetFlame™ PB** from **Porvair Advanced Materials** is a high efficiency infrared emitter that is capable of reaching uniform operating temperatures up to 2100F nearly instantaneously without the use of a reverberating screen. It is robust enough for the toughest commercial cooking or industrial drying application and provides a cost effective alternative to currently available infrared emitter materials.

The unique, fine porosity, low density, tortuous structure and tough metal alloy composition of **MetFlame™ PB** provides many operational advantages simply not possible with sintered metal fiber or pressed, needled, or ported ceramics. It is available in a wide range of geometries to meet your application requirements.

To discuss how the technical advantages of **MetFlame™ PB** can put the heat on your difficult industrial drying or commercial cooking applications, please contact Porvair Advanced Materials.

**Contact:**  
**Mark Heamon**  
**Porvair Advanced Materials**

700 Shepherd Street  
Hendersonville, NC 28792

Tel: (800) 843-6105

(828) 696-9854

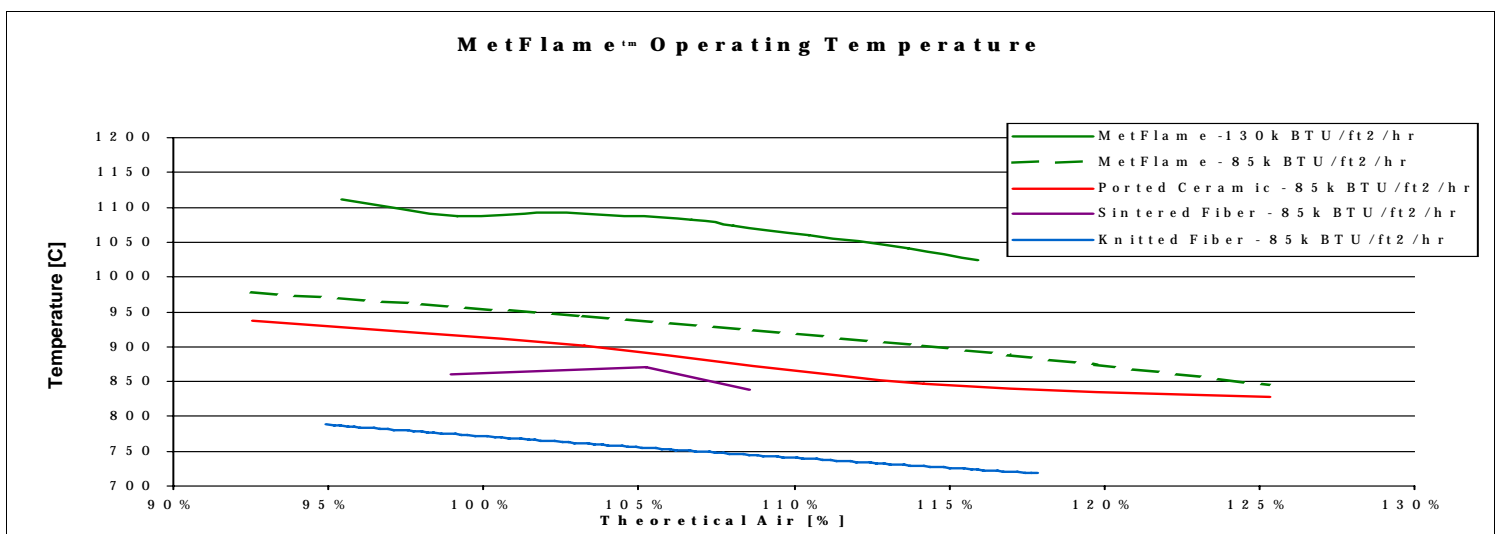
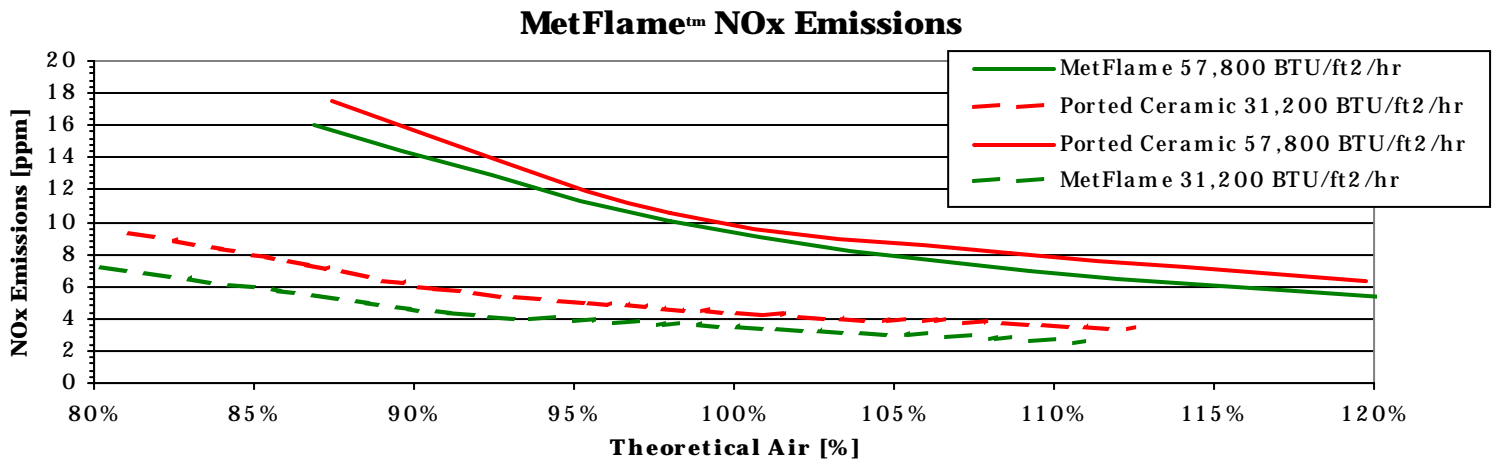
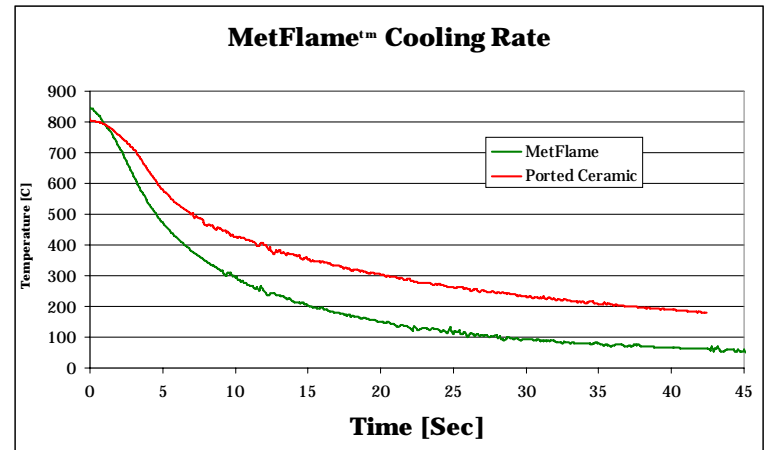
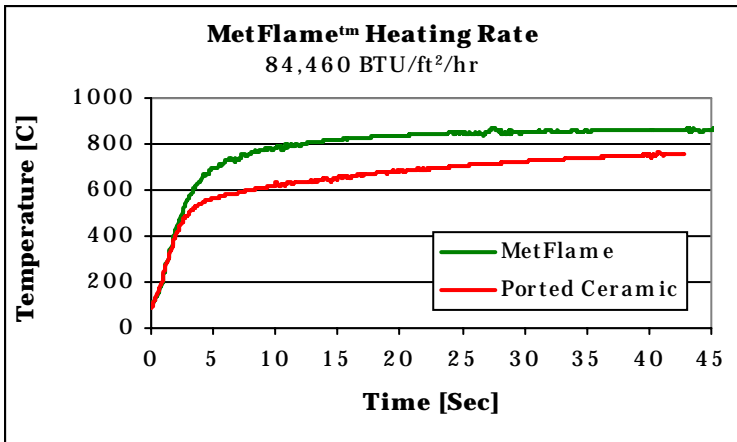
Fax: (828) 697-7960

[www.porvairmetalf foam.com](http://www.porvairmetalf foam.com)



- **Energy efficient. Produces a maximum operating temperature of 2100°F at 135,000 BTU/ft<sup>2</sup>/hr., without a screen**
- **Nearly instantaneous heat up and cool down provides the ultimate in heat recovery.**
- **Adjustable Temperature with a turn-down ratio of 4:1 while in Infrared mode.**
- **Significantly more robust than ceramics for the ultimate in thermal shock resistance and thermal cycling.**
- **Corrosion resistant metal alloys provide stable, long life in harsh, high temperature, acidic environments.**
- **One piece design provides uniform heat distribution without dead zones caused by panel joints or seams.**
- **Significantly reduces NOx emissions with short flame length combustion.**
- **Flexible geometry allows creative solutions for difficult installations.**
- **Available in panel sizes up to 24"x 32".**

# MetFlame™ PB Operational Data



## Porvair Advanced Materials

700 Shepherd Street  
Hendersonville, NC 28792

Tel: (800) 843-6105  
(828) 696-9854

Fax: (828) 697-7960

www.porvairmetafoam.com