



## Emissivity Coatings in Boilers, Furnaces, Ovens & Kilns

### – Overview –

	Petrochemical industry	Power industry
Payback	<9 months	<12 months
Radiant efficiency increasing	up to 5%	up to 5% <sup>1)</sup>
Fuel consumption's reduction	up to 5% <sup>1)</sup>	x

1) Documented by research reports from two different Universities (available in Czech)

Further possible advantages:

- Uniform heat flux
- No more hot spots
- Reduced forming of insulating scales
- Increased lifetime of refractory
- No furnace atmosphere's penetration into refractory
- No more defibrillation of fibrous insulations
- Increased lifetime of tubes
- Reduced clinkering and caking
- Temperature reduction in chimney



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[www.bgsysht.eu](http://www.bgsysht.eu)

CZ 530 03 PARDUBICE, HOLUBOVA 389, PHONE: 420-466-264-565  
EMAIL: [BGSYSGHT@BGSYSHT.CZ](mailto:BGSYSGHT@BGSYSHT.CZ)