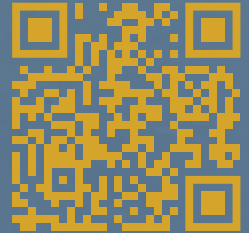


CASE STUDY

Process Boiler/Process Furnace Testing

CHASENEDROW.COM



Customer

Industra Services

Overview

A test rig was constructed to determine the impact of Emisshield® products in various locations within process furnaces and boilers.

- ▼ **Operating Temperature:**
404°C
- ▼ **Emisshield™ Product Used:**
ST-3 on Ceramic Fiber and M1 on Carbon Steel
- ▼ **Substrate:**
Ceramic Fiber and Carbon Steel
- ▼ **Application Method:**
HVLP spray gun

Potential Uses

Commercial/Industrial Boilers, HRSG's, Heat Recovery Systems, Power Generation and Heat Exchangers (Furnace walls and process/boiler tubes).



Emisshield Benefits

Improved heat transfer resulted in reduced time to temperature.



15%

Improved Heat Transfer in Furnaces



23%

Improved Heat Transfer in Boiler Tubes

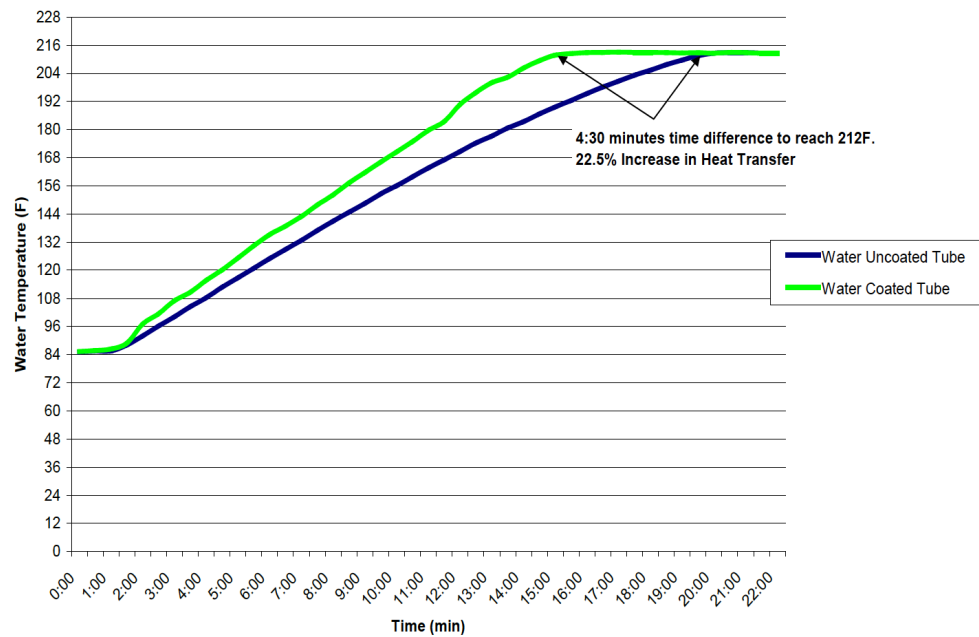




Process Boiler/Process Furnace Testing

CONTINUED

**Transfer Emisshield®
Multi-Functional
Materials Boiler Tube
Performance (Static Test)**



**Emisshield®
Multi-Functional
Materials Process
Heater Performane**

