

Thermal Barrier Paint

cools boiler at Four Seasons Hotel



Success story: Bangkok, Thailand, October 2009



Above: temperature check on painted hot pipe.



Above: the hotel's two boilers, the first painted and the second in process.

Four Seasons Hotel reduces boiler consumption and improves staff working conditions with Planet Supra, a high-tech Japanese eco-friendly Thermal Barrier Paint.

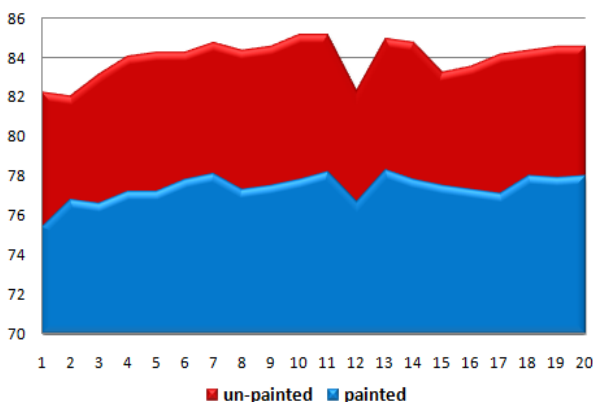
One of the areas where hotels can realize big energy savings is the boiler room. Because boilers must maintain a constant high water temperature, they are one of the hotel's biggest energy consumers. The heat they generate makes working conditions difficult for technicians too.

To make them more energy-efficient, **improving insulation is the easiest way to obtain substantial cost-savings** as it doesn't require modifying the equipment itself. Pipes can benefit from the treatment too.

The Four Seasons Hotel in Bangkok, Thailand, is constantly looking for new ways to reduce costs. During trials, surface temperature of hot pipes dropped by 10°C after painting with Planet Supra Thermal Barrier Paint. The boiler's fuel consumption will be reduced while technicians will enjoy cooler working conditions in the boiler room.

Hotel's chief engineer comments:
"I am very satisfied with the improved heat insulation. Now I can touch the boiler's metal surface even when it is operating!"

Highest pipe surface temperatures recorded in °C during trials, by 41°C ambient temperature.



Planet Supra Thermal Barrier Paint data sheet:

- ✓ makes buildings instantly energy-efficient
- ✓ highest performance as per JIS R 3106:1998



- ✓ certified solution to reduce CO₂ emissions by Carbon Offset Japan
- ✓ applicable on most surfaces without primer: metal, cement, tile, ...
- ✓ non-flammable, mold-free, crack-free for life
- ✓ water-based, VOC-free, 100% eco-friendly composition
- ✓ more than 20 colors readily available, more can be mixed