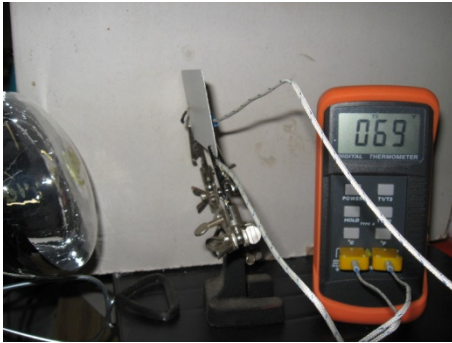


# WOHL COATINGS WOHL INSULCOAT HEAT CONDUCTION TEST

**PURPOSE:** To evaluate the reduction of the driving force (Temperature) achieved by using Wohl Insulcoat. Whatever substrate is being protected by Wohl Insulcoat the reduced temperature of the surface translates to less heat being transferred through the substrate. **TEST:** Samples were prepared on steel panels with one coat of standard paint compared to one coat of Wohl Insulcoat. **SETUP:** 250 Watt Infrared Heat Lamp located from 4" to 12" from surface of test panel. Distance is varied to adjust surface temperature of panel. Temperature is monitored at the heated surface and on the reverse side of the test panel using K thermal couples.

**INITIAL SETUP:**

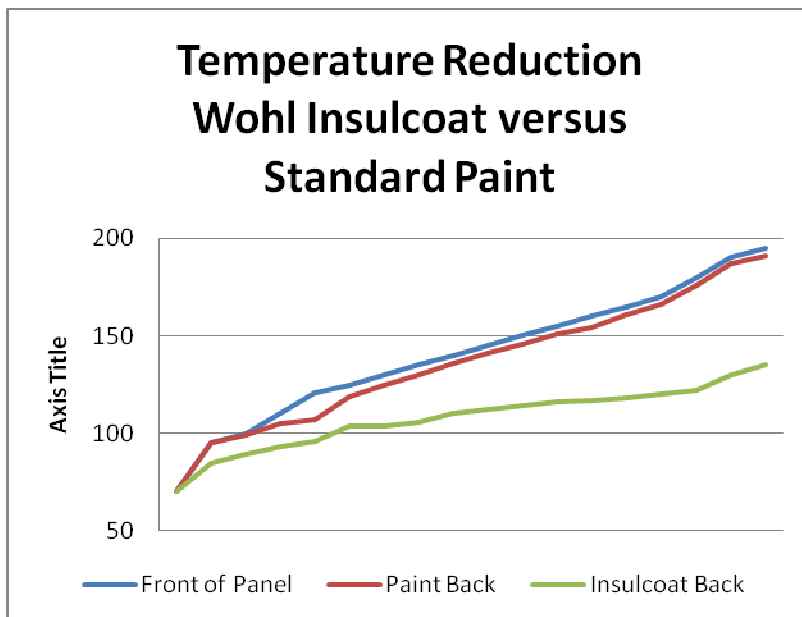


**HEAT LAMP ON:**



**TEMPERATURE RESULTS:**

Average Temperature Reduction by Wohl Insulcoat = 22% of front panel temperature.  
Average Temperature Reduction by Standard Paint = 3% of front panel temperature.



**CONCLUSION:** When the temperature transmitted through the coating is reduced by 22% the driving force is reduced and the heat transferred is 22% less. The use of Wohl Insulcoat will reduce heat transfer through a metal surface and thereby reduce the heat buildup in a metal building.

