

Applied to A/C Intake Covers

Mesa, Arizona - May 2005

22 Aluminum 5ft x 5ft shields. The Air intake is heating in excess of 250°F, which melts the 165°F rated fusible links, causing the intake dampers to close and shut down the Air Conditioning system.



SUPERTHERM® was applied to reduce temperatures and keep the A/C system fully functional



So far, test results calculated by Nick DeSantis, Former Energy Coordinator, show over \$700 per year per unit in savings with **SUPERTHERM**®. This equals a payback of 52 days including materials and labour. These calculations were taken during a 70-80°F temperature, but greater savings are expected once temperatures rise to 100°F and

above, in Arizona.



Project Pictures courtesy of Marvin McCardle - E3 Coatings Inc.

NOTE : Duct Insulation

Best Practice: Ducts in unconditioned spaces must be insulated.

To the extent possible, ducts should be placed inside conditioned space. In conditioned spaces, they require minimal insulation. If the ducts are placed in unconditioned spaces, due to the extreme summer temperatures in these spaces, 10% to 30% of the energy used to cool the air can be lost to conduction through the duct surfaces. Therefore, they must be insulated.