

Absorber Ducts

Client: Power Plant – Moscow, OH Substrate: Absorber Ducts (stainless steel with carbon steel supports) Product: Mascoat Industrial-DTI Thickness: 120 mils (3 mm)

The client had previously insulated their absorber ducts with Fiberglass Reinforced Plastic. Gases inside the ducts will cool and condense regularly, which causes condensation on the interior. Condensation in these ducts causes many

problems, including;

- Decreased insulating ability of the fiberglass
- Inconstant interior temperatures, affecting processes

condensation is controlled, none of these issues arise.

• Higher energy costs



The client contacted Mascoat because they had been told about the abilities of Mascoat Industrial-DTI Thermal Insulating Coating. The coating has the ability to effectively insulate up to 375°F without being hindered by moisture. Also, the coating prevents CUI from occurring.

120 mils were applied in 6 coats over a 3-mil primer coat of Carboline 2977. After the unit was placed back into service, the customer reported that all of this issues stemming from the moisture were completely abated and the internal temperature was at 320°F consistently.

The final way Mascoat helped the facility was that the metal lagging previously required to protect the fiberglass insulation was no longer needed. Mascoat Industrial-DTI does not need any sort of protection or topcoating unless requested by the customer for aesthetic reasons.

