

## Baghouse

**Date of Application:** April 2009

**Product Used and Millage:** Mascoat Industrial-DTI 80 to 100 mils (2-2.5 mm)

**Unit/Project/Equipment:** Applied to Baghouse from Cogeneration Unit at Riceland Foods

**Size:** 30' X 30' X 80' tall (9 m x 9 m x 24 m)

**Starting Temperatures:** Temperatures range from the Inlet 320°F (160°C) to outlet Temperature 170°F (76°C)

**Post application results:** Temperatures ranged from 100°F (38°C) to 130°F (54°C)

**ROI Estimate (If performed):** Project was not completed for energy savings as most bag-houses or cyclones are a collection point prior to being moved to another part of the process. The biggest problem is the condensation that is formed due to dew point internally. The moisture creates a huge problem for the customer to get the materials transferred or too much moisture in the product and destroying the internal components, i.e. the bags in the bag-houses.

**Savings (If known):** The normal savings is that the ceramic coatings applied to these types of projects stabilizes the internal conditions and eliminates the heat sinks created by the steel structure.



**Figure 2: Before Application**



**Figure 1: After Application of Mascoat Industrial-DTI**