

## Storage Tank – Valero

**Company Name:** Valero, St. Charles

**Location:** New Orleans, LA USA

**Coating used:** Mascoat Industrial-DTI

**Applicator:** Brock Maintenance

**Thickness:** 40 mils (1.0 mm)

**Reason for application:** Energy retention, personnel protection, weatherability

When Hurricanes Katrina and Rita came storming through Louisiana, insulation used in industrial environments was stripped from the sides of storage tanks across the state. Valero had a particularly dangerous situation because when the insulation was ripped off, the Corrosion Under Insulation (CUI) was so severe that the walls of the tank were in danger of failing. Valero knew that they had a big problem even before the storm because when an inspector drilled into the sidewall and the drill punched all the way through the tank wall with little effort. Valero management knew that there had to be a better solution and they consulted with a B&H Distributors of Baton Rouge, LA for the solution to solve their CUI problem when using insulation.



B&H Distributor's Johnny Thorning identified Mascoat as the perfect solution to Valero's problem. Mascoat was notified of the possibility of a large tank application using its thermal insulation coating. With the parameters provided by Valero, such as ambient temperature and the size of the tank, Mascoat's Engineering Department performed calculations to specify the optimal thickness to give Valero equal insulation qualities as before.



It was determined to apply 40 mils to the tank. Brock Maintenance, a certified Mascoat applicator, applied the product in a two coat system on top of newly primed surface. The application was rapid, and its aesthetic results were perfect for Valero's needs.

Now that the tank was insulated, and most importantly protected from the harsh Louisiana climate, Valero's staff reported the insulation qualities were equal to the conventional insulation used previously, at a fraction of the thickness.