

## Phosgene Tanks

**Client:** Withheld

**Location:** Baytown, TX

**Coating:** Mascoat Industrial-DTI

**Thickness:** 40 mils (1 mm)

**Reason for application:** Personnel protection & corrosion under insulation (CUI)



Phosgene ( $\text{CoCl}_2$ ) is an extremely hazardous, odorless gas, dangerous enough to use as a chemical weapon during World War I. A chemical plant in Baytown, TX was concerned about CUI on their Phosgene tanks and risking a resulting chemical release, so the facility left their tanks un-insulated for years.

Leaving the tanks without insulation would mitigate the CUI issue, but since they operate between 170–180°F (76.7–82.2°C), employees would still be at risk for burns.

A Mascoat specialist was called in to assist with the application of Mascoat Industrial-DTI to make sure the preparation of the tanks and the application of Mascoat was done correctly. The plants maintenance employees' pressure washed the already coated tanks and sprayed on 40 mils (1 mm) with Mascoat's Small Application Sprayer (SA Sprayer) directly to the hot surface. After they installed 40 mils (1 mm) of DTI this facility did not have to worry about their employees getting burned or CUI ever again.