

Depropanizer and Deisobutanizer

Client: Withheld

Location: South Texas

Coating: Mascoat Industrial-DTI

Thickness: 60–80 mils (1.5–2 mm)

Reason for application: Corrosion Under Insulation (CUI)

An oil refinery in South Texas was having problems with corrosion under insulation on some of their towers and boilers. Since all four vessels were under pressure, they were very concerned about the chance of a major blowout or fire. After discussing the project with a Mascoat specialist, it was determined that Mascoat industrial-DTI coating was the best insulation solution for these vessels.

The four pieces of equipment that Mascoat Industrial-DTI was applied to are below:

Depropanizer Tower

- Height – 95'
- Diameter – 6.5'
- Surface temperature – 130°F (54.4°C)
- DTI thickness – 60 mils (1.5 mm)



Depropanizer Reboiler

- Length – 24'
- Diameter – 5'
- Surface temperature – 210°F (98.9°C)
- DTI thickness – 80 mils (2 mm)

Deisobutanizer Tower

- Height – 114'
- Diameter – 8'
- Surface temperature – 185°F (85°C)
- DTI thickness – 80 mils (2 mm)



Deisobutanizer Reboiler

- Length – 25'
- Diameter – 6'
- Surface temperature – 185°F (85°C)
- DTI thickness – 80 mils (2 mm)

The refinery has been very happy with the results of the application. The inspectors in particular are as thrilled that they can do visual inspection of the surface at any time.