

## Phillips 66 Piping

**Client:** Phillips 66

**Year completed:** 2011

**Location:** Bayway, NJ

**Coating used:** Mascoat Industrial-DTI

**Thickness:** 140 mils (3.5 mm)

**Time to complete:** Coating was applied by airless spray equipment with a 3-man crew in two days

**Reason for application:** CUI, personnel protection

In late 2011, Phillips 66 (then, Conoco Phillips), a global leader in petroleum refining, met with a Coating Specialist from Mascoat about an issue they were experiencing with much of their outdoor piping and equipment at their Bayway, NJ facility.

As many refining and petroleum companies do, they were having some severe Corrosion Under Insulation (CUI) issues on many pieces of equipment, especially piping that was running under the 300°F (149°C) temperature ranges. They had discovered that conventional ways of insulating these pieces of equipment was not protecting them sufficiently.

After discussing thermal insulation coating technology with a Mascoat Coating Specialist, it was decided to try it on a few runs of pipe at the facility. The customer wanted to see how the coating would perform in hopes that it would not only stop the corrosion issues, but also insulate and provide some level of personnel protection.

The onsite painting contractor, West Virginia Paint, worked with Mascoat and applied approximately 140 mils (3.5 mm) of Mascoat Industrial-DTI to the 250°F (121°C) pipe, while it was in service. After the application was completed the pipe was much lower in temperature than they required for their 140°F (60°C) personnel protection limits. The pipe was also 100% protected from the elements, unlike much of their conventionally insulated vessels.

Since the test was such a great success, they expanded the use of Mascoat's coatings on all types of vessels to help stop the issues of corrosion and to help protect personnel from being burned.