Syneffex™ Effective solutions

Sustainability Simplified.™ Very Simple.

CASE STUDY

Sinopec (China Petroleum &

Award Winning Energy Saving and Asset Protection Coatings

GEOGRAPHICAL AREA:
East China Sea

ISSUE:

Find a better solution for insulation of fuel oil storage tanks, kept between 68C - 72C, that doesn't cause corrosion or degrade rapidly in the salt air environment.

SOLUTION:

Syneffex High Heat thermal insulation & corrosion prevention coating.

Coverage: 12-coats
Applied wet film thickness: 1.2mm (0.047 inches)

RESULTS:

- ✓ Insulated within 3 deg. C of the 8cm (80mm/3.15 inches) mineral wool with cladding.
- ✓ Prevented corrosion of the tank.
- ✓ Allowed visual inspection of the surface.
- ✓ Stood up to the harsh salt air environment.
- ✓ Long lasting - 5-10 years.

Sinopec, the Chinese oil & gas company that is the world's fifth largest company by revenue, completed a successful winter study from October 2012 to March 2013 with Syneffex High Heat coating for insulation and corrosion control.

Sinopec was looking for a better solution than the mineral wool insulation they were using and one that would prevent corrosion, which was being caused by the mineral wool.

Syneffex's High Heat coating provided them with an effective solution in a clear thin film application that also prevented corrosion.

A 12-coat application of High Heat was used over the offshore fuel oil storage tank stationed in the East China Sea.

The tank had to be kept between 68C and 72C. The average winter temperature in the East China Sea) is 13.4˚C

The final analysis showed that Heat Shield™ High Heat coating was effective and within 3 degrees C of the 8cm rock wool insulation, plus it solved the corrosion issue and provided a cost effective solution that would stand up to the harsh ocean environment without degrading.

Syneffex provided Sinopec with a better solution for insulation and corrosion control of their fuel storage tanks, which lasts much longer than other insulation options, which greatly reduces the maintenance and replacement costs over time.

1.2 mm High Heat successfully replaced 80 mm mineral wool with cladding


Before


Before


After