

YEAR:

2005 - 2007

PROJECT:

Shoaiba power plant, 8 heavy fuel oil tanks (with heater coils)

DESCRIPTION:

Power industry. Tank Farm (8 tanks, 90m dia)

- These newly constructed fuel oil storage tanks for a new section of the power plant in Shoaiba were coated using twin feed application for the solvent free tank lining SigmaGuard CSF 650 on the bottom and first 2m of the shell.
- Using twin feed application the base and hardener are fed through separate lines and mixed in the paint line just meters before the spray gun, increasing efficiency and application speed as no mixing of sets is needed.
- The coating was reinforced by chopped fibre during the spray application. The fibres were rolled into the coating. A final coat of clear SigmaGuard CSF 650 was used to cover all fibres. This way a total thickness of around 2000µm (2mm) is achieved, consuming 2 litres of paint per m²). In areas that could not be reached properly with the chopped fibre spray gun, glass fibre mats were included in the coating (under roof supports and near floating roof seal).
- Using reinforcement and extra thickness the client designed it thinking of hole bridging capacity in case of corrosion of the bottom plates from the outside (SigmaGuard CSF 650 tank coating systems can be specified at 300µm).

OWNER:

 1. SCECO
2. West

LOCATION / COUNTRY:

Shoaiba - K.S.A

SIZE (Sqm):

 60,000 m²
CONTRACTOR:

Arabian CBI

CONSULTING FIRM:

Alsom Power France

APPLICATOR:

Global Suhaimi Co WLL

COATING SYSTEM:

7417 Sigmacover 280 - 7443 Sigmaguard CSF 650/Chopped Fibre x2

