



Case Study

Name	Sinopec Hefei Oil Storage Tanks
Owner	SINOPEC
Location	Hefei, Anhui province, China
Products	AMERLOCK 400, AMERCOAT® 450HS, AMERCOAT® 68A

Key Features

- *AMERLOCK 400* is a two-pack, high-solids, high-performance epoxy mastic maintenance coating suitable for new and old steel
- *AMERCOAT 450HS* is a low-VOC, gloss aliphatic polyurethane topcoat with unlimited recoatability, outstanding weather resistance, plus excellent colour and gloss retention
- *AMERCOAT 68A* is a versatile zinc-rich epoxy primer with rapid drying enabling early movement of steel plus superior resistance to chemicals and severe weathering

Project

SINOPEC Anhui Oil Products Company is a large-scale, state-owned petroleum circulation enterprise, mainly engaged in the distribution, purchase, storage, transportation, operation and management of finished oil.

In 2007, SINOPEC relocated its oil storage tank farm from a downtown area to suburban Feixi county, Anhui Province, China.

PPG Protective & Marine Coatings (PPG) won the business to protect the farm's 30 carbon steel oil tanks, each with a capacity of 1,000 to 10,000 m³ (5,314.66 to 353,146.67 ft³), plus pipelines of various sizes resulting in a total coverage of 50,000 m² (538,195.52 ft²).

Protective System

The PPG system used for the project was as follows:

- Primer: *AMERCOAT 68A* zinc-rich epoxy at 50 microns (2 mils)
- Intermediate: *AMERLOCK 400* high-solids epoxy at 100 microns (4 mils)
- Topcoat: *AMERCOAT 450HS* VOC-compliant, aliphatic polyurethane at 60 microns (2.4 mils)

This high-performance coating system proved to be the ideal solution for such a heavy-duty location delivering optimum protection with superb weather resistance, colour and gloss retention.

AMERCOAT®

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