



### Case Study

Name	Tazerbo Wellfield, Sahara Desert
Owner	Great Man-Made River Authority
Location	Tazerbo, Libya
Products	PSX® 700, AMERCOAT® 391PC, AMERLOCK 2

### Key Features

- PSX 700 is a revolutionary, high-performance protective coating delivering improved efficiency
- Ultra-high solids, low-VOC coating provides excellent chemical and corrosion resistance
- Outstanding gloss and colour retention delivers proven long-term durability
- AMERCOAT 391 PC is a solvent-free, high-performance coating suitable as a lining for water and crude oil tanks.
- AMERLOCK 2 is a high-performance, VOC-compliant surface-tolerant self-priming topcoat

### Project

The Great Man-Made River Project is an enormous undertaking to supply the country's needs by drawing water from aquifers beneath the Sahara and conveying it along a network of huge underground pipes.

The project comprised the internal and external coating of 273 filter vessels and back wash tanks.

PPG Protective & Marine Coatings (PPG) was selected thanks to close cooperation between the applicator MAN Ferrostaal Industrieanlagen GmbH and our agent for Libya LIBITCO BV.

### Protective System

AMERCOAT 391PC and PSX 700 were used for the internal and external areas of the vessels and also the structural steel supports, totaling an area of 48,000 m<sup>2</sup> (516,668 ft<sup>2</sup>).

Internal: 24,000 m<sup>2</sup> (258,334 ft<sup>2</sup>) coated with AMERCOAT 391PC at 700 microns (28 mils) on SA 3 blasted steel.

External: 24,000 m<sup>2</sup> (258,334 ft<sup>2</sup>) coated with PSX 700 at 100 microns (4 mils) on the existing (yellowing) epoxy system. AMERLOCK 2 was used for touching-up the yellowing epoxy where necessary.

AMERCOAT 391PC is a solvent-free, high-performance coating suitable as a lining for water and crude oil tanks.

PSX 700 is a high-performance engineered siloxane protective coating that provides very effective long-term corrosion control and weather resistance.