



Name: Nanhai Petrochemical

Owners: Shell Oil Company and
China National Offshore
Oil Corporation

Location: Guangdong Province,
China

Products: Amercoat 23
Amercoat 90HS
Amercoat 220
Amercoat 385
Amercoat 450HS
Amerlock 400
Dimetcote 9
PSX 700

The Nanhai Petrochemical project, built at Huizhou Daya Bay, in Guangdong Province, is one of the largest petrochemical projects launched in China during 2004 to 2006 by Shell Oil and the China National Offshore Oil Corporation (CNOOC). CNOOC, Royal Dutch Shell and the Guangdong provincial government invested in the U.S.\$4.2 billion project, with an annual output of 800,000 tons of ethylene.

Contractors Shanghai Mechanical and Electrical Installation Co., Ltd. and Sinopec Shanghai Engineering Co., Ltd. selected Amercoat high-performance coatings to protect the chemical tanks, water tanks, steel structures, pipelines, floors and the control building – a total of 350,000 square meters.

The coating systems used are as follows:

- Carbon Steel Tanks and Pipeline exteriors: Dimetcote 9 inorganic zinc-rich primer / Amercoat 385 multi-purpose epoxy / Amercoat 450HS gloss aliphatic polyurethane
- Water Tanks interiors: Two coats of Amercoat 90HS epoxy
- Chemical interior: Amercoat 23P primer / Amercoat 23B body / Amercoat 23S sealer
- Control Building exterior: Amercoat 385 multi-purpose epoxy / Amercoat 220 waterborne acrylic
- Control Building concrete floor: Two coats of Amerlock 400 high-solids epoxy

