

Project: Waterproofing and corrosion protection of the interior of the tank

Owner: Royal British Navy

System: Mono Ferro Pur, Polyflex 202

Surface: 20,000 p² / 1857 m²

Completed: 2006

Location: Singapore

The Royal British Navy had been experiencing many different waterproofing and corrosion problems of their reservoirs. Their reservoirs were filled with diesel or jet fuel; therefore, it was very important that these materials would not leak out of the reservoir. However, this was not the case for them. The reservoir was damaged and their chemical products were continuously leaking through. The specialists analyzed their problem and came to the conclusion that it would be too expensive and time consuming to re-build all the reservoirs. For that reason,



they decided to go with the

innovative Polyflex 202 system that Polyval Coatings was offering. The Polyflex 202 is specially designed for the resistance against petroleum products such as; crude oil, diesel and jet fuel which they would benefit from. This system was applied with one layer of Mono Ferro Pur, a moisture cure polyurethane primer, followed by one coat of Polyflex 202 at 2.00 mm D.F.T. (80 mils). It's fast drying and curing time made it possible to put back the installation in operation in just a few days, compared to weeks if they would have replaced them.

