

Royal Navy Reservoir Containment Singapore

PROJECT DATE
2006

SUBSTRATE
Steel

OWNER
Royal Navy

PROJECT
Royal Navy Reservoir
Containment

CONTRACTORS
Copas Coatings Inc.

SYSTEM
Surface preparation
Sand blast

Primer
MC-Ferrox B

Top-coat
Wasser Polyflex 202

INTRODUCTION

The Royal Navy continues to maintain a presence in Singapore under the Five Powers Defense Arrangements. Under the direction of the Royal Navy, a range of facilities are managed and maintained. Most important are reservoirs containing diesel and jet fuel required by the various naval and air force contingents participating in the treaty. In response to leakage resulting from damage sustained to one reservoir, a protective coating system consisting of MC-Ferrox B as primer coated by Polyflex 202 was proposed. Polyflex 202, a Polyurea membrane, is designed to provide a high degree of resistance to chemical agents including petroleum products such as the crude oil, diesel and jet fuels that were leaking and causing contamination. The fast drying and quick curing of the system provided a seamless protective coating that allowed the facilities to be returned to service within days.

