



# Case Study

## Manway Chamber

MoD Site, Borden





## The Project

A Ministry of Defence (MoD) site on a garage forecourt had fuel manway lids leading to four fuel tanks surrounded by concrete.

With time and high water table, the tanks move up and down, causing damage to the seals between the top of the tank and the manway chamber which could lead to water ingress.

## The Solution

Glass Reinforced Plastic (GRP) walls were fixed to poor quality substrate and sealed with soft joints from the base of the walls to the top of the fuel tank. Adalline 400 multi-spray system was used on four GRP walls and 100mm was sprayed onto the tank lid to make a permanent seal which would stop water ingress to the manway lid chamber. Adalline 400 multi spray can withstand 11 bar of negative pressure.

## The Outcome

The works were completed in August 2014 and the manway chambers are dry, albeit for some condensation on the upper side of the manway lids.

