

Customer Chemical Company, North West
Sector Chemical / Petrochem
Date February 2012
Ref no. 20033

APPLICATION EXAMPLE

Repairs to distiller floors – confined space

Situation

The distiller floors were found to have severe corrosion during its three year pressure vessel inspection. The corrosion penetrated right through the cast iron leaving holes.

Implication

The efficiency of the distiller was substantially reduced due to the holes allowing the liquor to leak to the compartment below, the loss of liquor at this stage leads to loss of efficiency, increased energy consumption and reduced output.

Solution

The substrate was blasted to SA2.5, the holes were filled with Resimetal 101, pre-manufactured steel plates were cold bonded over the breaches in the floor. The repair was protected with a coating of high temperature ceramic repair fluid – Resimac 205HT

Facts

Although the repairs were carried out during a planned shutdown, the customer did not anticipate the extent of the additional works needed. To accommodate the customers planned works schedule, the repairs were carried out during the night in order to allow minimum disruption to the other tradesmen on site particularly during blast cleaning operations. This extreme confined space repair was carried out, on time and within budget.

