

# Bund protection and renovation

Consultants at Belzona Polymerics, a speciality coatings manufacturer with over 50 years' experience in the renovation and protection of bunds, have a thorough understanding of the problems caused by chemical attack, impact and abrasion. With this in mind, the company has been providing free surveys to customers concerned as to whether or not bunds comply with the Control of Pollution (Oil Storage) (England) Regulations.

## Free bund assessments

The free survey looks at the current status of the bund, including the condition of the existing coating, if any, and looks at other problem areas such as the integrity of areas surrounding pipe outlets and fillets. Once the bund has been assessed, a full report is given on its condition with a recommendation as to the work needed to be carried out to upgrade the containment area to current acceptable standards. Should repair work be required, Belzona's range of concrete repair materials are well suited to



Fillets are added to give additional protection to corners

repairing damaged areas, building fillets along the base and walls of the bund, and being applied to areas around pipework to

ensure that these are leakproof. Once this renovation has taken place Belzona offers a wide range of coatings that are resistant to most chemicals encountered and when applied to the bund area provide the impermeable coating specified in the current legislation. Belzona can also arrange for one of its national network of fully trained partner contractors to carry out the work on customer, if

behalf of the desired.

## Eagle-eyed customer gets checked out

One customer to take advantage of the survey was Dennis Eagle Limited, a Warwickshire based manufacturer of refuse collection vehicles. The company had diesel, hydraulic, transmission and engine oil tanks on site, which were of steel double-skinned construction. After the construction of a single bund around all four tanks, 25mm fillets were applied in all corner and wall joints utilising Belzona 4141 (Magma-Build) and 50mm fillets in Belzona 4131 (Magma Screed) were

applied to the wall to floor joints, ensuring that areas most likely to suffer from leaks were well protected. Finally, the whole structure was given two coats of a specialised material to provide a seamless impermeable lining, making the containment area fully compliant with PPG2 regulations.

Dennis Eagle's business systems manager David Rea said: "In addition to needing to comply with the new legislation, we were engaged in a programme to achieve accreditation to the international environmental management system standard ISO14001. We had considered replacing the tanks with compliant plastic alternatives but discarded the idea because of the cost and the prospect of disposing of what were perfectly serviceable tanks. Following a call to Belzona, we were visited promptly and provided with the necessary information and quotation for us to make the decision. The bund was constructed and finished in time for our ISO assessment and accreditation last October. The success of the exercise gave us no hesitation in choosing Belzona to complete



Safer and compliant on completion

another, smaller bund around our anti-freeze tank. Whilst the regulations do not specifically apply to anti-freeze, we wanted to prevent it entering fresh water drains and endangering fish and other aquatic life." [www.belzona.com](http://www.belzona.com). ❖



The tanks before work commenced

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