
墙基的保护与修复

贝尔佐纳高分子有限公司的顾问，一家有 50 年经验的专业涂料制造商，都对于修复和保护由于化学侵蚀影响和磨损的墙基有深入了解。考虑到这一点，贝尔佐纳公司已提供免费的调查给关注的客户，不论墙基是否符合污染控制条例。（储罐）（英格兰）

免费的堤岸评估报告

一旦评估完成，贝尔佐纳会提供给客户一份完整的报告说明需要被执行的工作以升级到目前污染区可接受的标准。如果维修工作需要，贝尔佐纳一系列的混凝土维修产品可以合适地修复损坏地区，建筑的圆角，墙基的边缘和基座，还有管道以确保防泄漏。一旦使用贝尔佐纳修复解决方案，贝尔佐纳会提供一系列抵抗大多数化学物质的涂料，当使用在墙基时会提供合法的防渗透涂层。若客户需求，贝尔佐纳还可以为客户安排在国内，由培训过的承建商合作伙伴进行该工作。

客户的检验感想

位于英国沃里克郡的丹尼斯鹰 (Dennis Eagle's) 废弃车厂利用了这个调查的优势。该公司有柴油，液压，变速器和发动机油，且现场有储罐，其储罐为双层钢结构。建造一个墙基在四个储罐周围后，接着使用贝尔佐纳 4141（乳浆建造）将 25 毫米的填角填在墙角中，使用贝尔佐纳 4131（乳浆抹面）涂在墙壁和楼面的接缝上，以确保最有可能遭受泄漏问题的部分被完善保护。最后，再涂抹两层专门的涂料以确保一个无细缝防渗透的衬里，使整个隔离污染区完全符合法规 (PPG2) 的规定。

丹尼斯鹰 (Dennis Eagle's) 公司的业务系统经理 David Rea 说：“除了需要遵守法规外，我们也在着手于达到国际环境管理体系 ISO14001 的认证标准的方案。我们有曾考虑过更换储罐以兼容的塑料取代，但放弃这个想法因为处理从前操作完善的设备将花费高成本。在给贝尔佐纳打过电话后，他们在短时间内拜访我们并且提供我们必要的信息和报价以让我们做决定。这个墙基准时完成且符合认证标准，我们在去年 10 月获得认证批准。这次的成功使我们毫不犹豫的再次选择贝尔佐纳，以完成较小围绕防冻剂储罐的墙基。虽然法规没有特别指名有关防冻剂的条例，我们还是想要防止其进入淡水排水渠和危害鱼类及其他水生生物。www.belzona.com。

- 施工前的罐体
- 加上填角以保护墙角
- 安全和符合法规的应用

Bund protection and renovation

Consultants at Belzona Polymeric, 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

behalf of the customer, if 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. ❖



The tanks before work commenced

Companies

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