

Alternative to welding



A tank can suffer many problems, one of them being external corrosion. Caused by weathering, thin-wall effects result in a loss of strength, and possibly leakages. Natural movement or deterioration, as well as mechanical damage, can also cause leakage problems.

Welding, says **Belzona**, may be precluded by the contents of the tank, and could cause damage to the internal lining.

An alternative solution offered by Belzona, a manufacturer of speciality industrial coatings and polymer composites, can overcome these problems without 'hot work'. The company can apply a cold bonding solution, a method that does not require shutdown, hot work permit, or the de-gasing or reclassification of the equipment. Cold plate bonding can be done by glue or injection, using products that provide high levels of adhesion.

Belzona recently tackled the corrosion of a tank's metal floor, which was leaking oil. Welding was not possible and neither was draining the tank of its contents. The Belzona solution consisted of the application of Belzona 1111 (Super Metal) and Belzona 1831 (Super UW-Metal) onto a plate which was then used to reinforce the surface of the tank, and stopped the leak.



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