

Customer Plastics Manufacturing Company, NW
Sector Manufacturing / Buildings & Structure
Date August 2012
Ref no. 20072

APPLICATION EXAMPLE

Repairs & coating to leaking paint separation tank

Situation

The paint separation tank was leaking from several small holes caused by corrosion / chemical attack. The condition of the steel tank was masked internally with a build up of paint and other chemicals. Due to the age of the tank the customer decided that it would benefit from the application of a long term protective coating, which was considerably more cost effective than a replacement.

Implication

The tank had already leaked in several areas. As an integral part of the paint spraying process of the 24 operation. If the tank were to fail due to a substantial leak, the knock on effect to production loss is enormous.

Solution

A suitable time was chosen within the planned annual shutdown to drain the tank and blast clean the paint residue so the substrate could be inspected. It was found to have some severe pitting in areas and some very thin substrate which was leaking. Using cold plate bonding techniques the pitted areas and leaks were sealed without the need for any heat. The entire internal surface of approx. 180sq.m then received a 2 coat system of a high spec epoxy coating offering long term protection.

Facts

If this tank failed the manufacturing process would stop and cost the customer many £1000's. This project was completed within seven days and within budget, resulting in enquiries for another two tanks.

