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COVAC COMPLETION REPORT

Client	-	**Manufacturing Company**
Address	-	**Gloucestershire**
Project Brief	-	**The Internal Preparation and Re-Lining of 1 No. Effluent Tank**
System Specification	-	**COPON Hycote Solvent Free High Performance Coating.**
Nominal Dry Film Thickness	-	**1000 Microns**
Start Date	-	**14th February 2000**
Report Prepared by	-	**Adrian Emmett**
COVAC Contract Ref:	-	**97**

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SUMMARY OF WORKS

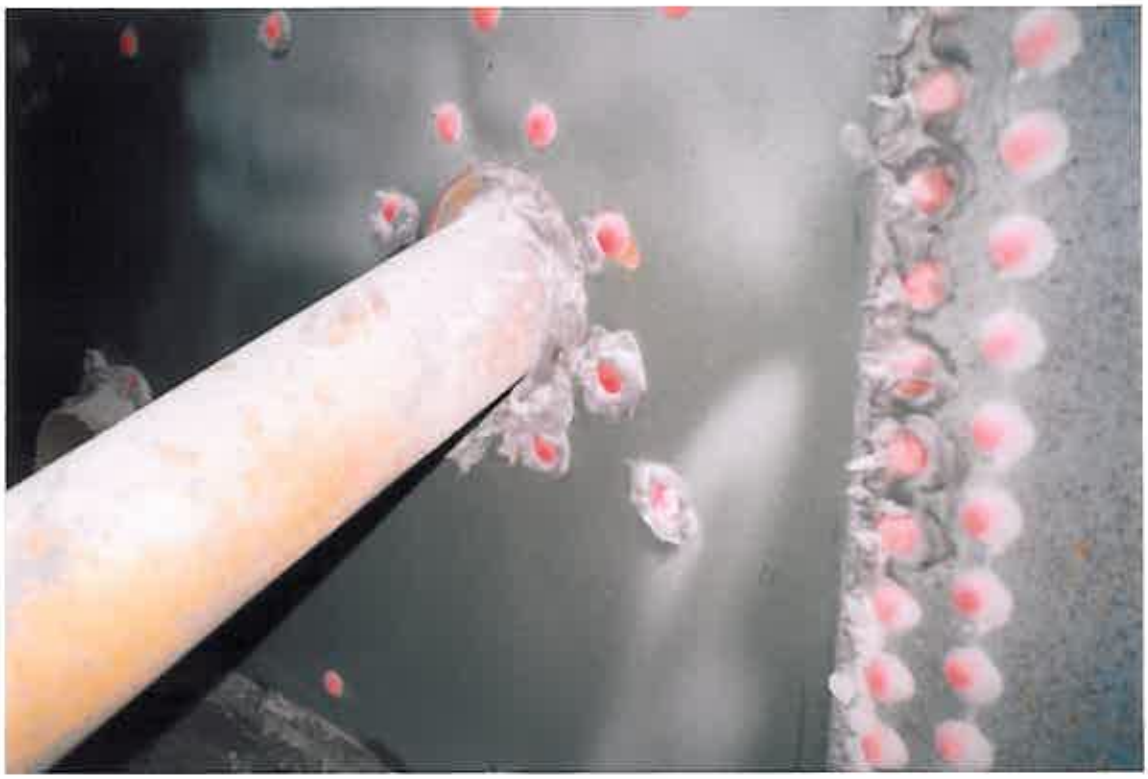
The Brief

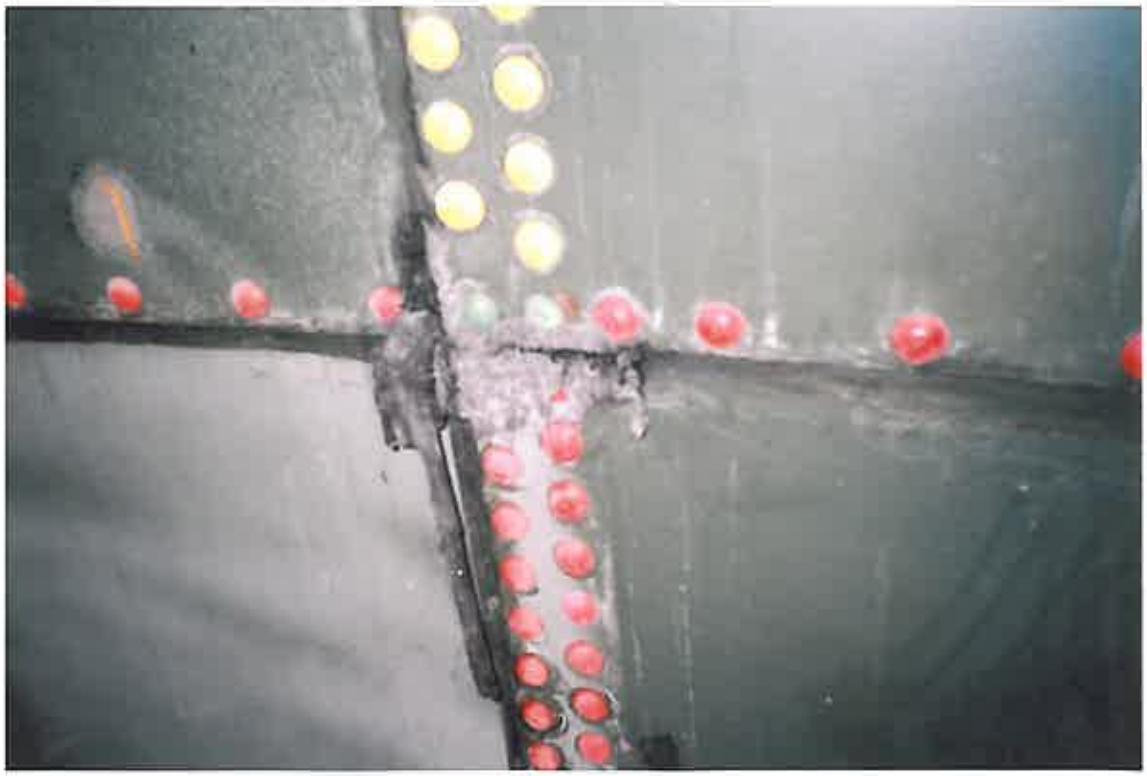
The Factory effluent tank at XXXXXXXXXX was constructed of glass lined sectional panels, bolted together and mastic sealed.

Areas within the panels were badly pitted causing corrosion to develop within the steel plate, creating holes.

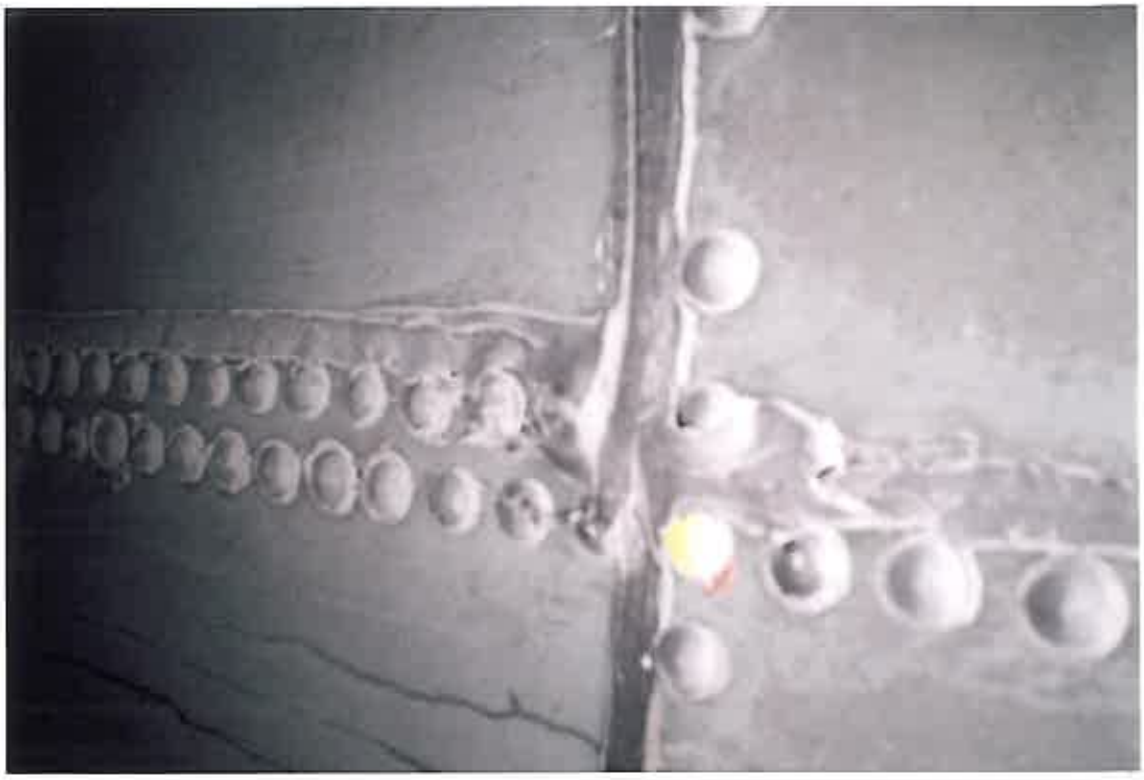
Covac were asked to internally coat the tank with a Solvent Free High Performance Coating.

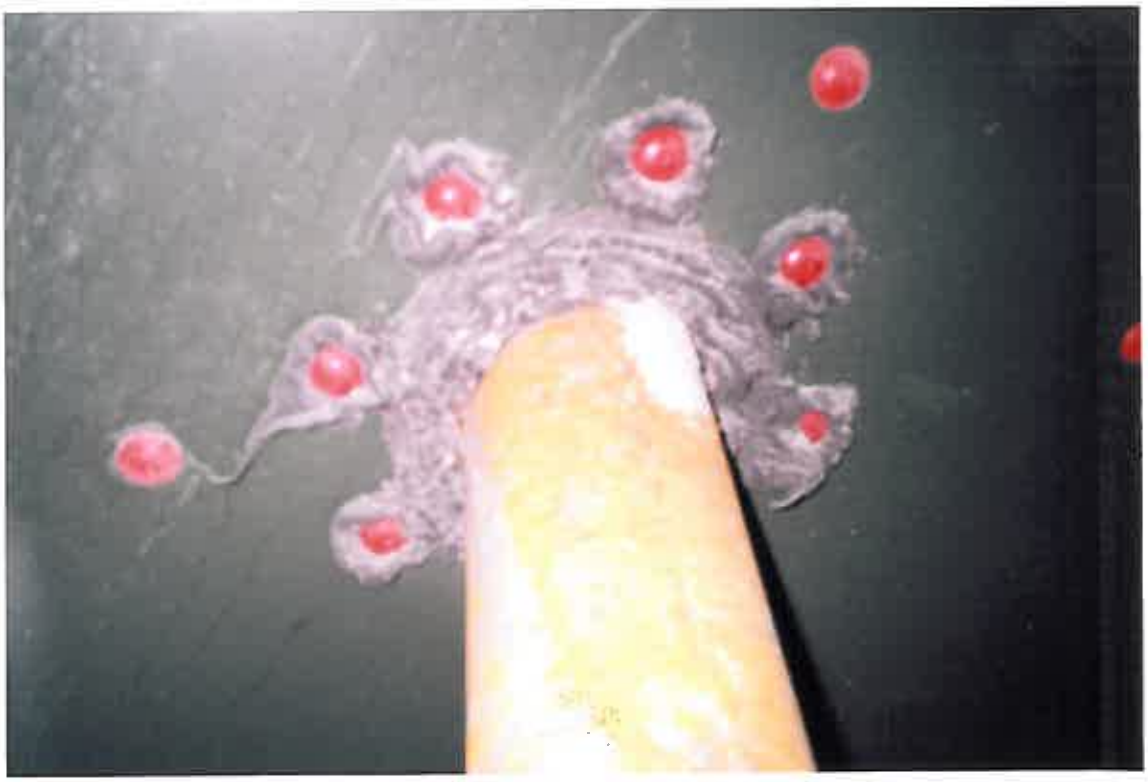
The following report shows photographs taken at strategic stages of the contract from start to finish.



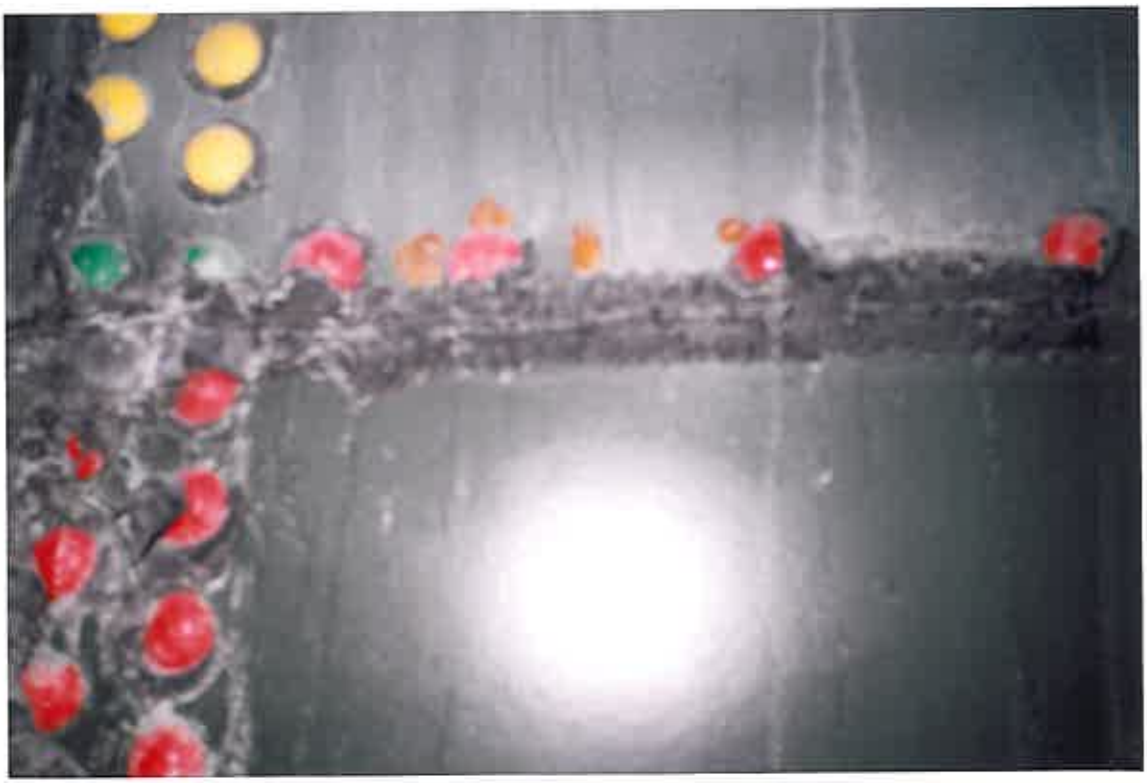


The majority of the corroded areas could be found beneath the existing mastic which was in a swollen state due to attack from the effluent and trapped water behind it causing corrosion to develop.

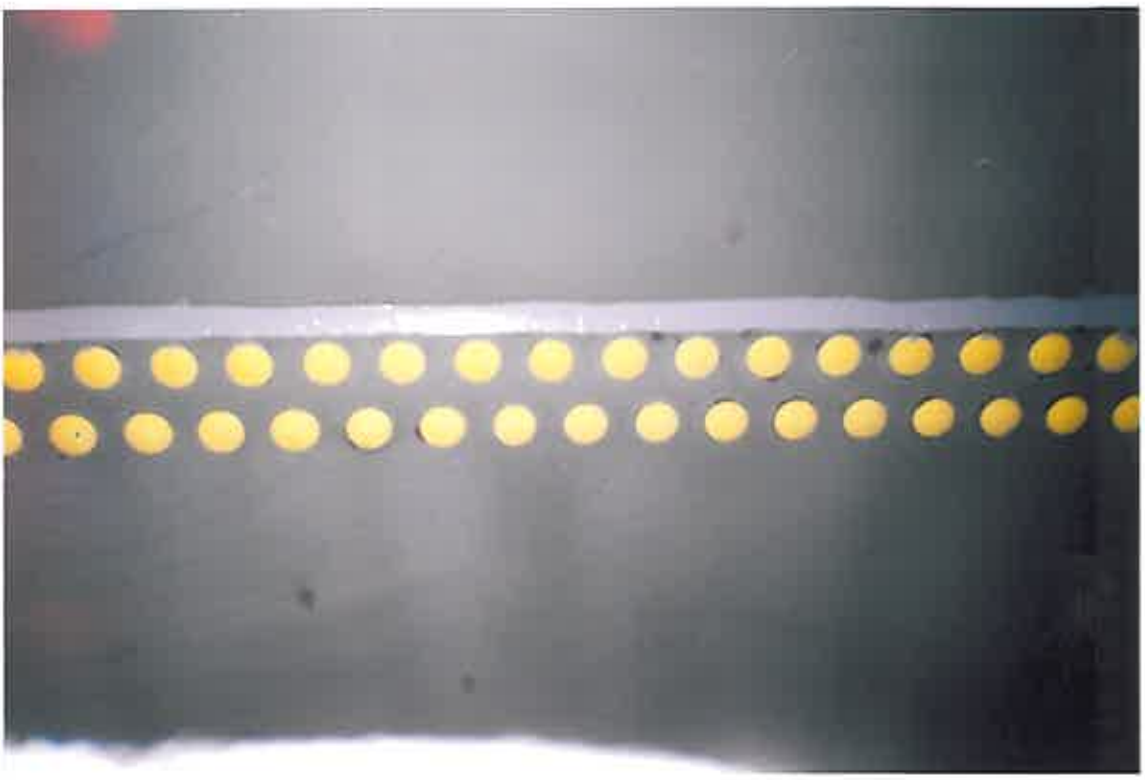




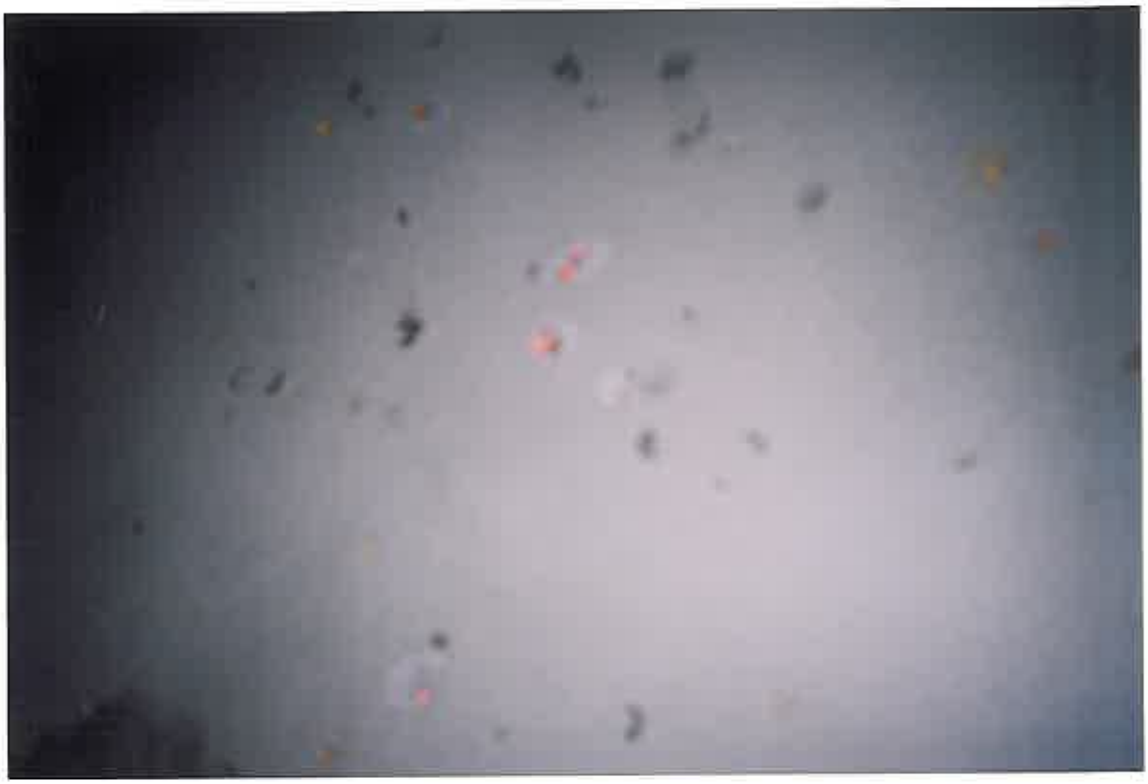
The first operation was to remove the existing joint mastic by cutting back with a sharp knife.



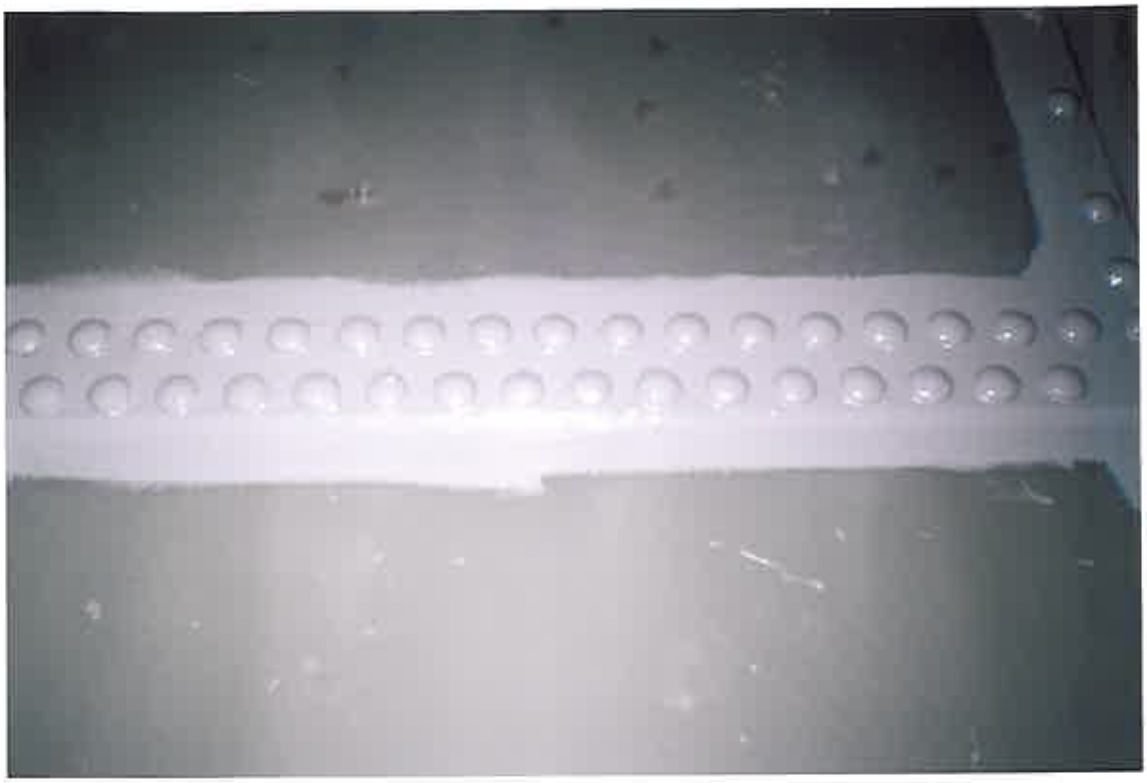
The internal substrate of the tank was dry grit blasted to raise the appropriate surface profile on the glass and removed all contamination from the floor area.



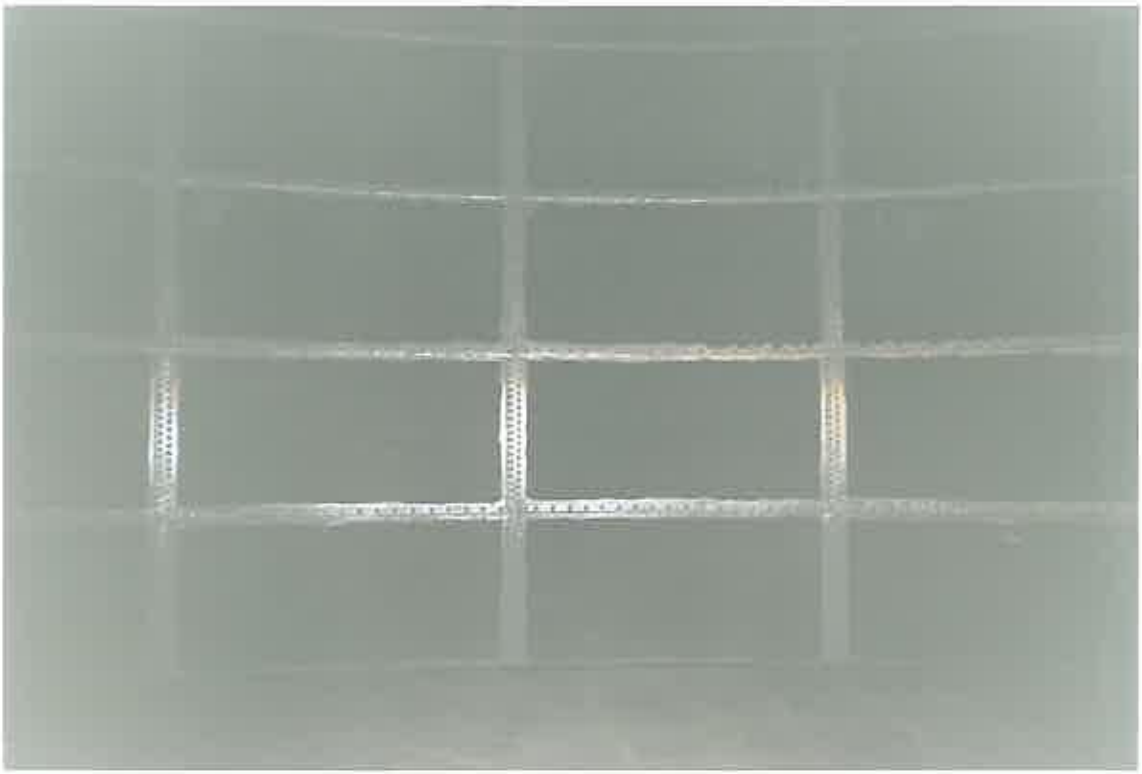
All areas were then re-sealed with tigerseal polyurethane mastic.



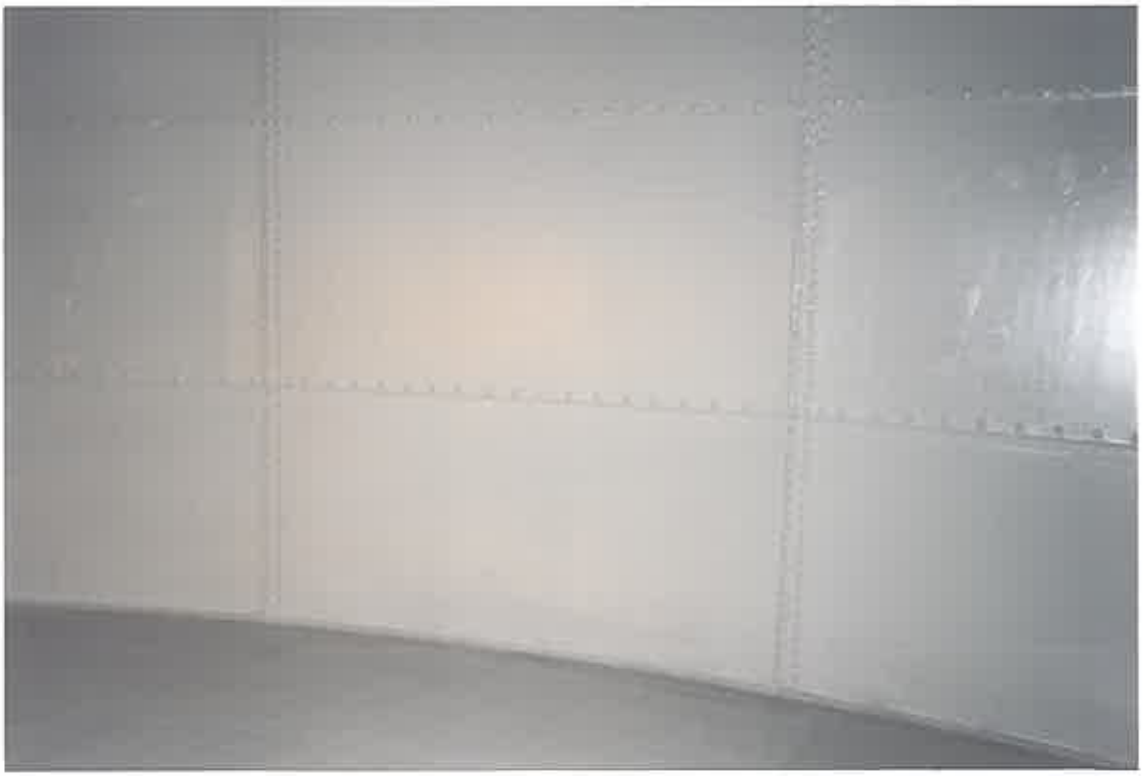
Large pitted areas within the panels were filled with a two pack metal filler epoxy repair compound.



The Solvent Free High Performance Coating was firstly stripe coated by brush to all seams, flange and nut and bolt areas.

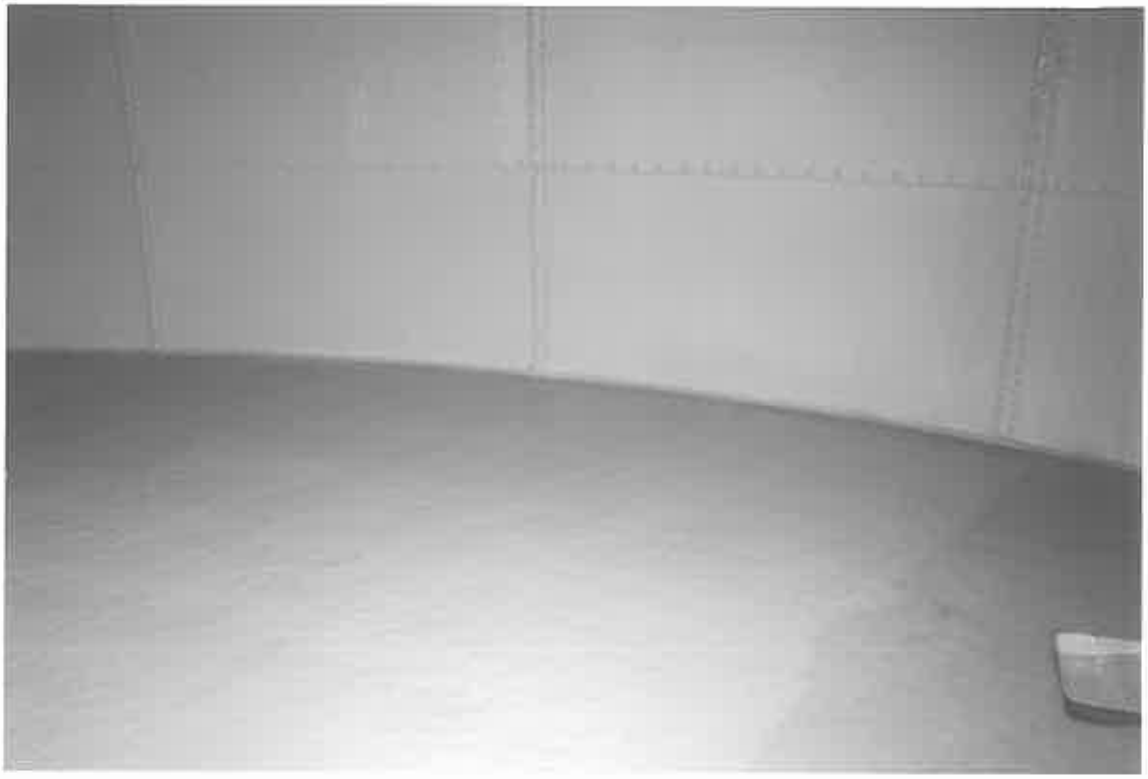


Concrete repairs were carried out on the floor areas, where required, using a cemeticious epoxy repair mortar.



These photographs show the structure completely lined with the High Performance Coating System. The product was spray applied in order to achieve a total nominal dry film thickness of 1000 Microns / 1mm.

The floor area first received a concrete sealer, applied by roller, before the Solvent Free High Performance Coating was applied.



The pictures show the floor area completely recoated by means by of brush and roller to achieve a final dry film thickness of 400 microns.