

COMPLETION REPORT

Client : **University Hospitals of XXXXXX**

Project Brief : **The Internal Coating of 1 No. Sectional GRP CWS Tank**

Site Address : **Midlands**

System Spec : **3M Scotchkote™ 165PW**
(Formerly Known as COPON Hycote 165PW)

Film Thickness : **1000 Microns**

Completion Date : **2nd September 2010**

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Covac Ref : **1001**

SUMMARY OF WORKS

The Brief

1 No. GRP, potable, sectional, water retaining structure sized at approximately 7.5m x 5m x 2.5m high and located adjacent to the Estates Department.

The internal surfaces of the structure were not protected with any coating / lining whatsoever and water was leaking from numerous areas of the joints, due to deterioration of the mastic.

If left untreated, the internal surfaces would have continued to be at risk from bacterial growth including Legionella, Pseudomonas and Biofilm; this could have led to further deterioration in the tank's surface structure and contamination of the down services with the supply of unhygienic water to the outlets.

We therefore recommended the following scope of works: -

GRP Mechanical Surface Preparation

Brush & Roller Application

These images showed the leaking areas of the structure:-







These photographs show the internal surfaces of the Structure having been drained of water, but prior to any work commencing.







All failing mastic between the sectional GRP panels was cut back to a firm edge, prior to all the internal surfaces of the tank being lightly abrasive blast cleaned to remove any existing coatings and to promote optimum adhesion of the 3M Scotchkote™ lining system, as shown in the above photographs.





All joints were treated to prevent leaks and allowed to cure.



These photographs show the internal surfaces following the full coat of 3M Scotchkote™ 165PW Solvent Free Polyurethane.



