

# COMPLETION REPORT

Client : **XXXXXXX College**

Project Brief : **The Internal Refurbishment of 2 No.  
Flat, Galvanised CWS Tanks**

Site Address : **XXXX Road  
XXXXXXXXXXXXXX  
Berks**

Site Contact :

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

Film Thickness : **1000 Microns**

Covac Supervisor : **Ian Looms**

Completion Date : **15<sup>th</sup> June 2010**

Compiled By : **Craig Phillips**

Covac Ref : **979**

# XXXXXXXXXX HALL

## TANK #1

1.8m x 1.2m x 1.2m high.



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



Holes in the substrate at the waterline as a result of the severe corrosion can be seen.





After preparation, the areas to be repaired utilising steel plates were marked out before 'stripe coating' utilising 3M Scotchkote™ 165PW.



**Steel plates were then fastened to the damaged areas.**



The repaired areas were then 'stripe coated' with 3M Scotchkote™ 165PW along with all seams, joints, bolts etc to ensure all intricate areas were coated prior to the 1<sup>st</sup> full coat of 3M Scotchkote™ 165PW Solvent Free Polyurethane.



**These photographs show the substrates having received the 1<sup>st</sup> full coat of 3M Scotchkote™ 165PW (cream) Solvent Free Polyurethane, by means of brush and roller to a nominal wet / dry film thickness of 500 Microns.**



All intricate areas were again 'stripe coated' for a second time. These photographs show the final application of the 2<sup>nd</sup> coat of 3M Scotchkote™ 165PW (grey) in order to achieve a total, nominal dry film thickness of 1000 Microns (1mm) and between 1500-2000 Microns (2mm) over all stripe coated areas.



# XXXXXXXX HALL

## TANK #2

**1.8m x 1.2m x 1.2m high.**



**These photographs show the internal surfaces of tank #2 having been drained of water, but prior to any work commencing. As with tank #1, severe corrosion is evident resulting in holes in the substrate, particularly at the waterline.**







**These pictures show the internal substrate after being prepared by COVAC Operatives, in accordance with ISO 8501-1:2007, utilizing mechanical power tools and manual tools. The holes can be more clearly seen after preparation and were marked out before 'stripe coating' utilising 3M Scotchkote™ 165PW.**





The areas to receive steel plates were initially 'stripe coated' utilising 3M Scotchkote™ 165PW.



**Steel plates were then fastened to the large damaged areas. The smaller damaged areas were repaired utilising 3M Metal-Tech SG Metal Epoxy Filler.**



The repaired areas were again 'stripe coated' with 3M Scotchkote™ 165PW along with all seams, joints, bolts etc to ensure all intricate areas were coated prior to the 1<sup>st</sup> full coat of 3M Scotchkote™ 165PW Solvent Free Polyurethane.



**These photographs show the substrates having received the 1<sup>st</sup> full coat of 3M Scotchkote™ 165PW (cream) Solvent Free Polyurethane, by means of brush and roller to a nominal wet / dry film thickness of 500 Microns.**



All intricate areas were again 'stripe coated' for a second time. These photographs show the final application of the 2<sup>nd</sup> coat of 3M Scotchkote™ 165PW (grey) in order to achieve a total, nominal dry film thickness of 1000 Microns (1mm) and between 1500-2000 Microns (2mm) over all stripe coated areas.







The tank was then post chlorinated and returned to service.