

COMPLETION REPORT

Client : **High Profile Bank**

Project Brief : **The Internal Relining of 2 No.
BAC Cooling Tower Sumps**

Site Address : **XXXXXXXXXX Bank
London**

Client Contact : **XXXXXX**

Site Contact : **XXXXXX**

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

Film Thickness : **1000 Microns**

COVAC Supervisor : **Ian Looms**

Completion Date : **10th April 2010**

Compiled By : **Adrian Emmett**

COVAC Ref : **953**

CONTENTS

1. **Summary of Works**
2. **Pictorial Report Detailing Strategic Stages of the Project**
3. **Dry Film Thickness (dft) Readings, Taken & Recorded Utilizing an Elcometer Microprocessor**
4. **10 Year 'Single Source Responsibility' Guarantee Certificate**



SUMMARY OF WORKS

The Brief

2 No. BAC cooling tower 'sumps' located on the roof top of XXXX Bank and sized at approximately 3.6 x 2.4 x 2.1m high (surface area to be relined). Both tower sumps had previously been electrostatically coated with a dry, polymeric hybrid thermosetting powder which had been fuse bonded to the substrate (Baltibond). This product had now reached the end of its useful life due to low chemical resistance, low film build, poor elongation properties, sub-film corrosion, general deterioration and subsequent de-bonding.

The following images show the external of the BAC cooling towers:-



These images show the internal condition of the BAC tower sumps:-





PICTORIAL REPORT COOLING TOWER # 1





These photographs show the internal substrate of Cooling Tower # 1 prior to relining work commencing.









These pictures show the Cooling Tower following preparation by COVAC Operatives, in accordance with ISO 8501-1:2007, utilizing mechanical power tools and manual tools.



All seams, joints, bolts etc were initially 'stripe coated' and the following photographs show the substrate having been coated with the 1st 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 'stripe coated' for a second time and these photographs show Cooling Tower # 1 following the full and final application of the 2nd 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.

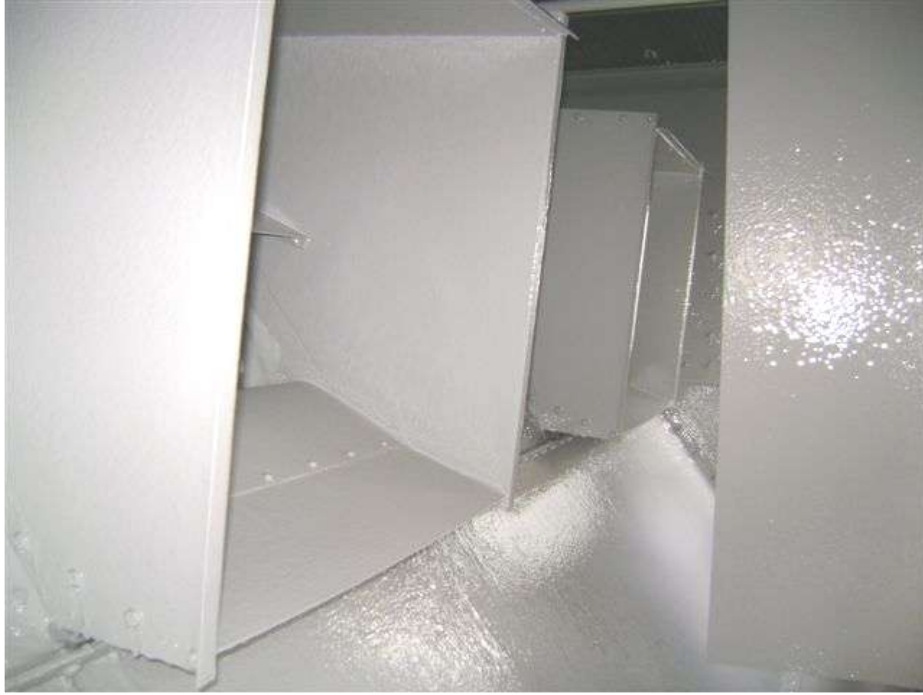






Dry film thickness readings were taken, ensuring that the nominal thickness of 1mm was achieved.

COOLING TOWER # 2





These photographs show the internal surfaces of Cooling Tower # 2 prior to any work commencing showing signs of failure to the current epoxy coating.





These images show the internal substrate of the Cooling Tower following preparation by COVAC operatives, in accordance with ISO 8501-1:2007, using a combination of mechanical power tools and manual tools.



All seams, etc were again initially 'stripe coated' and these images show the substrate having received the 1st full coat of 3M Scotchkote™ 165PW (cream), by means of brush and roller to a nominal wet / dry film thickness of 500 Microns.



Again all areas were 'stripe coated' for a second time prior to the full and final application of the 2nd 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, as shown in these images.

