



# **WATER BOX RE-BUILD & COATING**



# SUMMARY

**Industry:** Air Conditioning

**Product:** Chesterton® ARC SD4i,  
Chesterton® ARC 858

**Plant:** High Rise

**Location:** Sydney, CBD

**Summary:** Re-build and coat Chiller  
End caps using Chesterton® ARC Sd4i,  
Ceramic Composite coating.



# PROBLEM DESCRIPTION

End Caps for one of the chillers was severely corroded and the divider plate on the inlet and outlet side sustained significant wall loss.



# SOLUTION

- Preparation to upgrade abrasive blasting to Class 2.5 – 3 using Imatech blast system.
- Build up severely corroded areas using Chesterton® ARC 858.
- Chesterton® ARC Sd4i to be applied in 2 coats, blue then grey, to a total average DFT of 600 microns.

# RESULTS

- Divider plate built up with Chesterton® ARC 858 flush with the sealing flange.
- Chesterton® ARC Sd4i was then applied in two coats to protect the surface from corrosion.
- High gloss finish reduces drag and increases efficiency.





# CONTACT

Australia Toll Free 1800 352 228  
International +61 2 8853 3000

[info@imatech.com.au](mailto:info@imatech.com.au)  
[imatech.com.au](http://imatech.com.au)