



Hydrochloric Acid Bund

Gold Mine
Queensland

We were asked to provide a solution to repair damaged concrete and coat to protect bund from future acid attack.

- The damage:

Previous Unknown coating had failed, Acid attack and damage apparent.



Coating and Bund Damage



Control Joints in need of rectification.



Plinths needing repair



Sumps needing repair



Seal Between Tank and Tank Base needing repair



Seal between base and floor needing repair



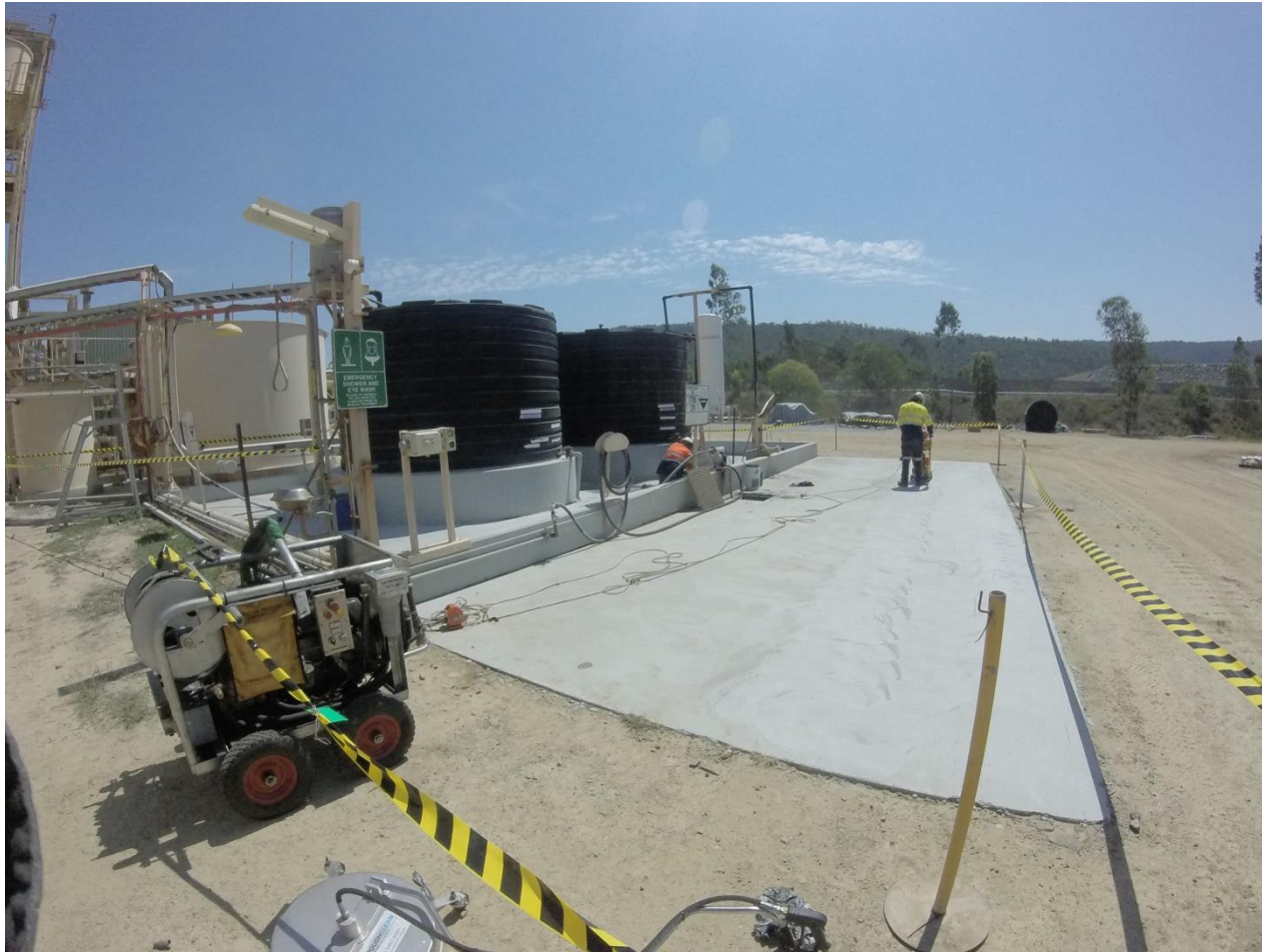
Damaged control joints



Sump needing rectification



The Preparation:



The Preparation



Existing coating removed and concrete brought back to sound and profiled surface



The Preparation



Preparing and repairing the joints



Damaged areas removed





Preparing and repairing the joints



And repaired, ready for sealing post final coat.



The Final Coat: Chemclad XC was then rolled on



Chemclad XC is a dual coat system



Specifically designed for aggressive
Acid environments





Any areas needing repairing were rebuilt with Dura Quartz before final coat





Alloy Oxide was included in the first coat to assist with non-slip.



Finally, control joints were prepared and filled with acid resistant flexible product

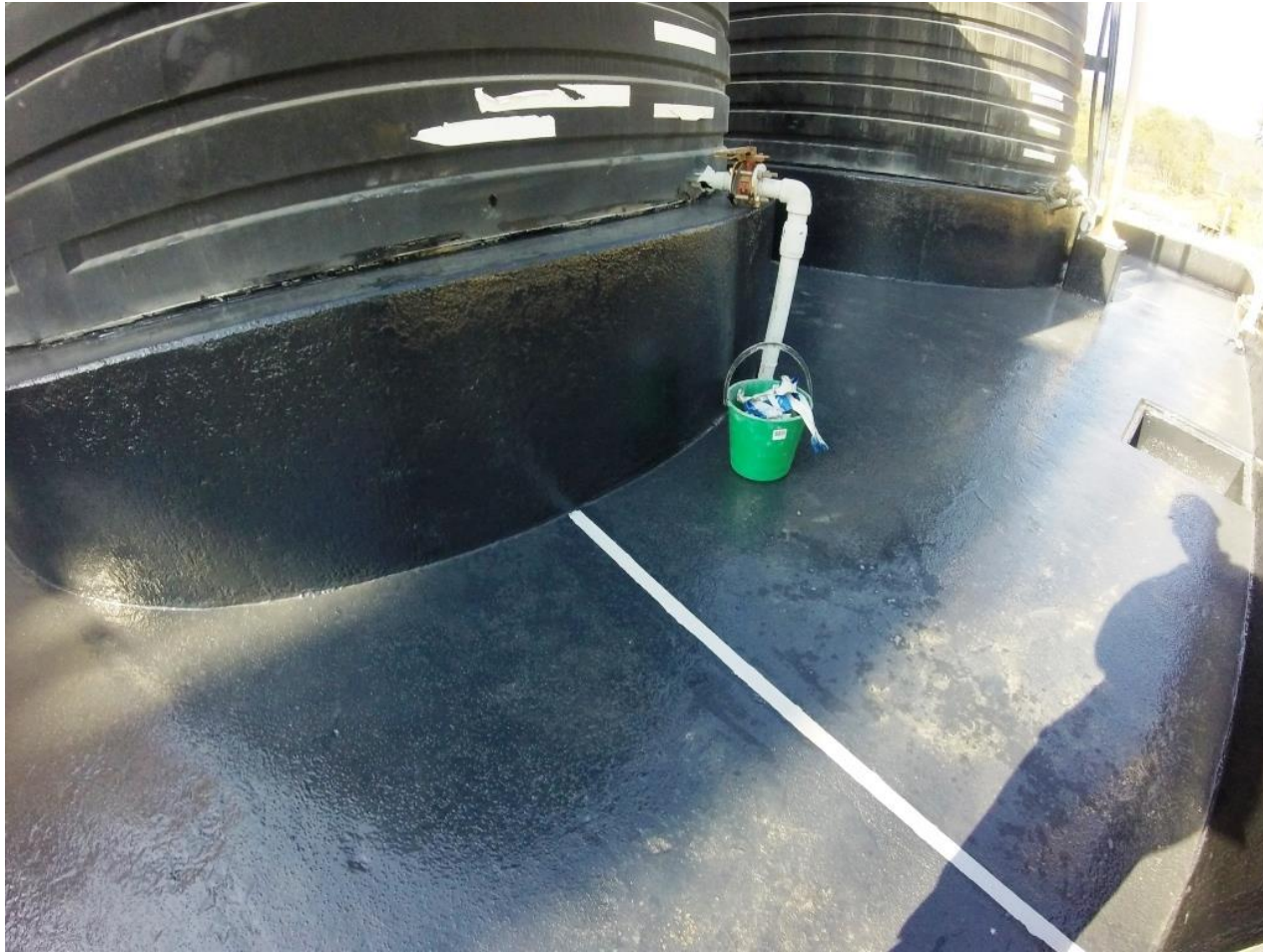


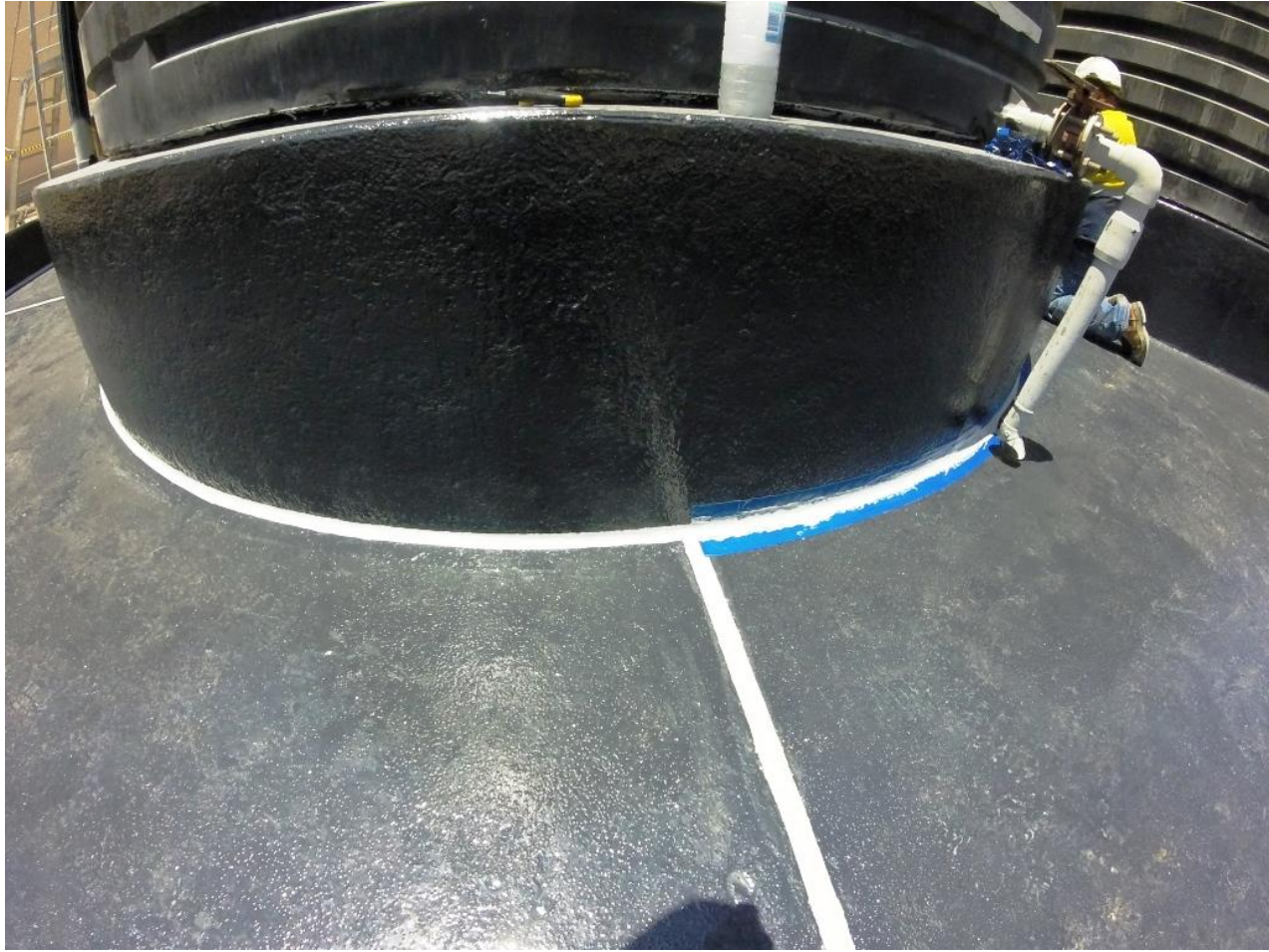


Final Seal of Joints



Final Seal of Joints





The Finished Product



The Finished Product

