



COAL WASHERY SUMPS

SUMMARY

Industry: Coal

Product: Chesterton® ARC 858, ARC BX2 and ARC S2

Plant: Coal Washery

Location: Blackwater, QLD

Summary: Internals of de-sliming sumps were heavily pitted and holed out. Imatech water blasted the rust scales and the previous liner with ultra high pressure, then grit basted, regraded and lined the internals of the sumps with a combination of Chesterton® ARC 858, ARC BX2 and ARC S2 for a long term finish.



PROBLEM DESCRIPTION

- Client was facing high sump replacement costs due to heavy corrosion.
- Severe pitting and holes in the sump.



Condition prior to re-grading



Blasted surface



Prime coated

SOLUTION

Imatech primed holes with Chesterton® ARC S2, then regraded to wall thickness with Chesterton® ARC 858. Remainder of severe pitting was then trowel coated with Chesterton® ARC BX2.



Prime coating with ARC S2 Green



Final Coat ARC BX2 Grey

RESULTS

All internal surfaces were then coated with two coats of Chesterton® ARC S2 providing a long-term abrasion resistant surface.



Initial prime coat

The two coat, two colour system allows for easy wear identification when inspecting the coatings.



Final coat



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