



**MINING RESEARCH  
FACILITY-  
CHEMICAL  
PROCESS AREA**

# SUMMARY

**Industry:** Mining Processing

**Product:** Chesterton® ARC CS2 and Chesterton® ARC CS4

**Plant:** Pilot Plant Research Facility

**Location:** NSW, Australia

**Summary:** Degraded coatings and concrete removed and renewed using ARC chemical resistant coatings in chemical storage areas, production areas, drains and sumps.

**Result:** Long lasting, maintenance free, non-slip finish providing chemical protection of the concrete.



# PROBLEM DESCRIPTION

- Previous coatings, grouts and sealants had failed leaving the floor.
- Drains, sumps and expansion joints exposed to various chemicals including sulphuric acid, caustic and other industrial chemicals.



# SOLUTION

- Previous coatings, sealants and damaged concrete were removed using grinding, abrasive blasting and water blasting.
- Heavily degraded areas, in the drains, sumps and around the expansion joints were rebuilt using ARC 988 quartz composite coating.
- Chesterton® ARC CS2 and Chesterton® ARC CS4 were used to protect the floors, drains and sumps.
- Floor coatings incorporated Imatech's non-slip surface finish.
- All expansion joints were resealed using Emerseal CR.

ARC 988 Coating



Final Coat ARC CS2 and ARC CS4

# RESULTS

After 18+ months, the coatings are in excellent condition. There is no delamination or chemical attack of the coatings under constant foot traffic, forklift traffic and regular exposure to high concentrations of acids and other chemical solutions.

All the surfaces are regularly maintained and cleaned using automated floor cleaners and high pressure water blasting.





# CONTACT

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