



REJECT SCREEN DISCHARGE CHUTE



SUMMARY

Industry: Coal Mining

Product: Chesterton® ARC BX2 and MagPatch™ wear liners

Plant: Reject Screen Discharge Chute

Location: Blackwater, QLD, Australia

Summary: Tile disbondment and heavy abrasion lead to a large hole in the chute that needed frequent patch ups. Chesterton® ARC BX2 was applied for the repair, outperforming all previously trialled products.



PROBLEM DESCRIPTION

- Tiles were smashed and had disbonded in the chute due to high localised impact and wear.
- Previous wear resist patching needed repairs every 4 to 6 weeks.
- Confined space entry and difficult access lead to expensive labour costs.



SOLUTION



- The hole was temporarily patched using Imatech's Magnetic Wear Liners – MagPatch™.
- This held successfully for 2 weeks until a shutdown; eliminating equipment down time.

SOLUTION

- A 3mm reinforcement plate was tack welded to the back of the chute.
- Chesterton® ARC BX2 ceramic composite was trowel applied to protect the steel plate.



RESULTS



The photo was taken after a **THREE** month inspection illustrating no visible signs of wear. The repair resulted in no costly downtime, repairs or unscheduled shuts.



CONTACT

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

info@imatech.com.au
imatech.com.au