

Feed Pipe

CASE HISTORY

PROBLEM

Feed pipes transporting an abrasive Gold slurry were failing after just 3-4 weeks. This resulted in excessive costs from replacement pipes, labour and lost productivity.



Discharge feed Pipe

SOLUTION

Following discussions with the client and an analysis of the service conditions, Imatech proposed that the feed pipe be upgraded to the ArmorPIPE™ 9200 Series specifications. This system consists of a carbon steel pipe lined with an energy absorbing ceramic polymer.

Pipe size and schedules are selected, which allow room for the lining, while maintaining the dimensional and pressure requirements of the system. This unique design is capable of withstanding extreme abrasion without the brittleness normally associated with traditional ceramic materials

RESULTS

- The pipes were inspected 16 weeks after installation (4x life of previous equipment) and no visible signs of wear were found.
- The total service life exceeded 72 weeks (20x life of previous equipment).
- As a result of this success, savings were realised in pipe purchases, maintenance costs, downtime and a reduction in associated administrative and warehousing costs.
- The estimated overall savings per pipe were \$10,000 to \$15,000 p/a.



9200 Series ArmorPipe™

