

ArmorPIPE™ Mine Backfill and Shotcrete Solutions

Complete Backfill Pipe Protection – From Surface to Stope

ArmorPIPE™ Technologies, the benchmark in Ceramic Composite Lined Pipe Systems, specialise in custom solutions designed specifically for shotcrete and backfill reticulation systems.

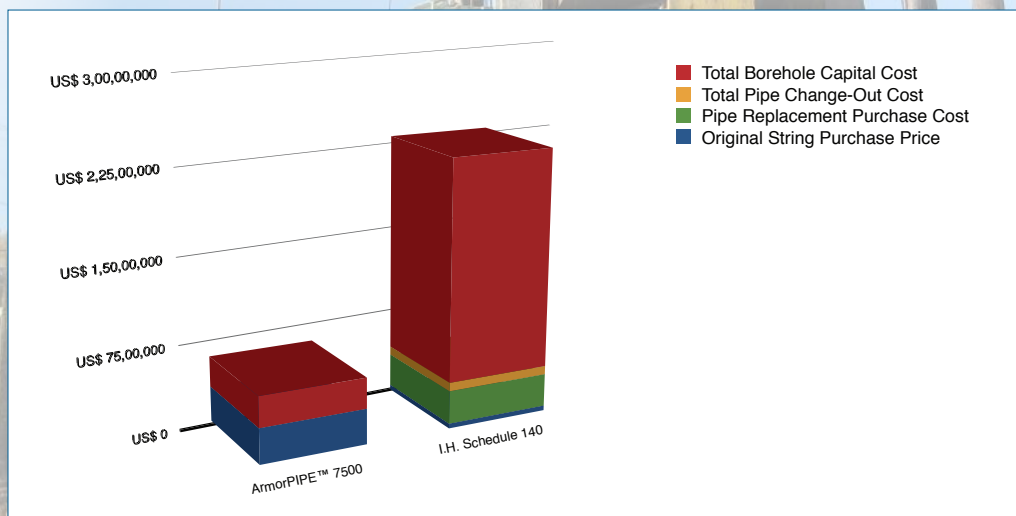
From our comprehensive experience dealing with abrasive backfill slurries and paste, we understand the costs associated with the hydraulic transportation of these materials. Too often we see excessive maintenance expenses resulting from attempts to utilise cheap, short term metallic solutions in long term backfill systems.

ArmorPIPE™ solutions are engineered to provide the optimum system life based on your service conditions and backfill rheology.

ArmorPIPE™ Solutions:

- Provide reliable pipe systems for the most aggressive backfill applications where traditional metallic systems fail to offer adequate protection.
- Are constructed with a rigid metallic casing lined with a polymer composite heavily reinforced with a broad spectrum of high-grade ceramic particles. This combination provides the harness of ceramics with the energy absorbing properties of modern polymers.
- Will improve the overall reliability of your backfill system resulting in a dramatic reduction on the cost per tonne of placed fill.
- Are all suitable for ArmorPIPE™ ArmorBEND™ elbows and fittings.
- Can be supplied with threaded, flanged, grooved or weldable tool joints.

LIFE CYCLE COST vs PIPE PURCHASE PRICE



Over a typical ten (10) year period in an aggressive backfill borehole application where heavy wall steel lasts eighteen (18) months, above is a realistic indication of the comparative difference in the true cost of using ArmorPIPE™ vs. the cost of using old technology with an inexpensive purchase price.

PURCHASE PRICE DOES NOT EQUAL COST!

ArmorPIPE™ Technologies offer the following range of solutions:

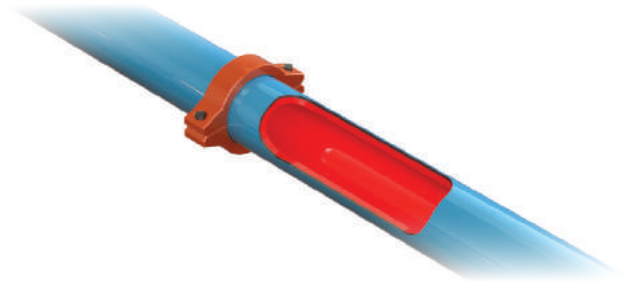
ArmorPIPE™ 6500 Series:

Application: Lateral underground pipes

Ceramic Composite Lining thickness: 3 – 5mm

Ideal for:

- Lateral backfill pipe work
- Process slurry and tailings transport pipes
- Areas requiring lightweight, high performance pipe work



ArmorPIPE™ 7500 Series:

Application: Line incline boreholes and process spools

Ceramic Composite Lining thickness: 6 – 12mm

Ideal for:

- Incline hydraulic backfill/paste fill borehole casings
- Process, slurry and tailings transport pipes
- Bends and custom fittings
- Tailings pipework



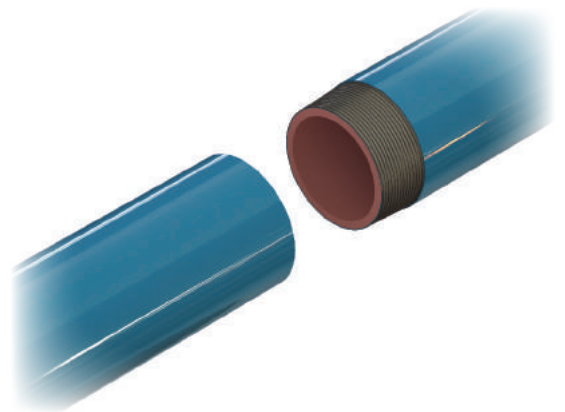
ArmorPIPE™ 9200 Series:

Application: Vertical boreholes

Ceramic Composite Lining thickness: 10 – 20mm

Ideal for:

- High velocity slurry handling
- Dry pneumatic conveying
- Shortcrete applications experiencing velocities of >40m/sec
- Vertical hydraulic backfill/paste fill borehole casings
- Process slurry and tailings transport pipes
- Distribution fittings, nozzle and cyclone clusters
- Underground boil box/kettle junctions
- Cyclone underflow/overflow pipes and bends



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See our full range of products today - www.armorpipe.com.au

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