



CastoTube®

Mine Backfill Solutions

- Turnkey backfill solutions
- Problem definition & assessment
- In-situ performance qualification
- Engineered pipe connections
- Project-based technical support

Bottom-Line Performance

Eutectic Castolin has been offering engineered piping solutions designed to optimize service life and performance of demanding mine backfill applications. Proven to outlast mild and alloyed steel, hardened and HDPE pipes.

CastoTube® - weld clad casings - provides ultimate wear resistance in slurry transportation:

- Performance & benchmark analysis
- Material selection & evaluation
- Field performance analysis
- New installation & retrofits
- Ease-of-installation

CASE STUDY

Paste Backfill Reticulation System | CastoTube®

6.5M tonnes of paste backfill have gone through since the first CastoTube® system was installed, with only one scheduled pipe rotation.

Compared to the existing system delivering less than 1M tonnes, the new installation of CastoTube® systems is expected to reach up to 10M tonnes of paste backfill bottom-line performance.

Commodity (Precious Metal)	Length	Backfill Project Profile	Type of Installation
Gold, copper & zinc	6000 ft	CastoTube (6" Sch 80) 7mm Weld-Cladding Quick-Connect	Retrofit
Nickel, copper, cobalt, platinum	500 ft	CastoTube (6" Sch 40) 3mm Weld-Cladding Weld-on-Sleeve	New Installation
Copper, zinc	3000 ft	CastoTube (8" Sch 80) 7mm Weld-Cladding Threaded Pipe	Retrofit
Nickel, copper, cobalt, platinum	1250 ft	CastoTube (6" Sch 80) 6.5mm Weld-Cladding Quick-Connect	New Installation & Retrofit
Gold	6000 ft	CastoTube (6" Sch 80) 3.5mm Weld-Cladding Quick-Connect	New Installation
Gold	750 ft	CastoTube (4" Sch 80) 3.5mm Weld-Cladding Victaulic Groove	New Installation & Retrofit



Global Presence
Local Outreach

CastoTube® Coupling Systems

Our piping systems are engineered to meet your hydraulic design requirements.



- Joint connection types will vary based on engineering specifications & backfill application
- Casing sizes are selected to ensure the finished internal diameter meets the required hydraulic diameter
- Pipe hardware available upon request (custom elbows, fittings, offshoot lateral pipe components)

Contact Eutectic Castolin Backfill Mining Team
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