



# 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)<br>7mm   Weld-Cladding   Quick-Connect      | Retrofit                    |
| Nickel, copper, cobalt, platinum | 500 ft  | CastoTube (6" Sch 40)<br>3mm   Weld-Cladding   Weld-on-Sleeve     | New Installation            |
| Copper, zinc                     | 3000 ft | CastoTube (8" Sch 80)<br>7mm   Weld-Cladding   Threaded Pipe      | Retrofit                    |
| Nickel, copper, cobalt, platinum | 1250 ft | CastoTube (6" Sch 80)<br>6.5mm   Weld-Cladding   Quick-Connect    | New Installation & Retrofit |
| Gold                             | 6000 ft | CastoTube (6" Sch 80)<br>3.5mm   Weld-Cladding   Quick-Connect    | New Installation            |
| Gold                             | 750 ft  | CastoTube (4" Sch 80)<br>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  
[mining@eutectic.com](mailto:mining@eutectic.com)