

Mining Industry

SOLUTION FOR MINING BACKFILL OPERATIONS

Wear Resistant Pipe for Paste Backfill Transport

Enduring Performance...



Stronger, with
Castolin Eutectic



- Internally hardfaced pipe
- High abrasion resistance
- Quick Connect system for adding lengths of pipe during operations
- Increase productivity and uptime
- Reduce pipe maintenance costs



CastoTube Solutions

Transport CastoTube

PROBLEM:

In the deep mining process, sand, grit and rock that is mined, but not processed further becomes waste and needs to be either transported out of the mine or used as backfill to prevent the mine from collapsing. Backfill in the form of paste (sand+cement+water) is pumped back into the mine to refill or reinforce places that were mined previously. This is a very efficient process as the waste sand can be reused in the form of paste. However, paste pumped through tubes down into, and throughout, the mine is very abrasive and creates heavy wear on non-alloyed steel pipe.

EUTECTIC SOLUTION:

Produce transport pipe and elbows from CastoTube internally hardfaced pipe. Quick Connects between pipe sections provide easy installation.

RESULTS:

Tubes and elbows installed in 2008 are still in service today. Reduced wear means less maintenance and repair of transport pipes, increasing the efficiency and profitability of mining operations.



Eutectic CastoTube

CastoTube anti-wear solutions for pipe, are seamless mild steel tubes which have been internally hardfaced with wear resistant alloys.

Coating Characteristics:

Typical Hardness 1st Pass: 68-70 HRC
Typical Hardness 2nd Pass: 69-71 HRC
Temperature Limit: 1,400°F (760°C)



YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS



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