

# solutions

Industry Updates and Solutions  
for Conveyor Material Handling  
Applications.

Providing the World Material Handling Industry with Productive, Safe and Reliable "Complete Conveyor Solutions."

# ASGCO®

Complete Conveyor Solutions

## Armorite™ Solves High Maintenance Costs at Copper Mine

### Problems:

A copper mine was experiencing extreme wear on the liners installed in the Tripper Car "Pant Leg" Chutes of a Copper Ore Tripper Tertiary Crusher Feed System. Liners were being changed out **every** down day (7 day interval) due to the excessive wear. Unscheduled down time due to wear, continued to be an issue in this application.

### Solutions:

After a 12 month (one year) test using Armorite™ 700 Liners, the customer found that the product "**out performed**" anything they had previously tried. We "**exceeded**" all expectations and the customer has now standardized the Armorite™ 700 product in this application on all sizes of liners, and maintains the cost in savings of maintenance outweighs the additional cost of the product a minimum of 10 fold.

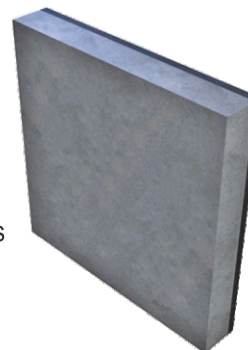
They have now gone from a "visual" inspection of the tripper "pant-leg" once a month, instead of *daily* as previously required with the competitor's liners.

**Armorite™** is an extremely hard, laminated bi-metallic, wear resistant composite, which has a nominal hardness of 700 BHN (63Rc) produced by combining a highly alloyed chromium-molybdenum white iron ( to AS 202715/3 Cr/Mo) and metallurgically bonding it to a mild thick steel backing plate. The resultant bond possesses high shear strength of over 250 Mpa and will not separate.

- **Armorite™** is a combination of high chromium and molybdenum white iron, metallurgically bonded to a mild steel plate
- **Armorite™** provides maximum protection in high wear areas
- **Armorite™** has mild steel backing that cushions the white iron, enabling it to withstand impact
- **Armorite™** is easily weldable with minimal preparation
- **Guaranteed to last 5-6 times longer than AR500**

**Armorite™ Smooth Liners** present a very cost effective method of extending wear life in chutes, hoppers, bins, impact walls and screen plates.

- Extreme abrasion resistance across a range of applications
- Custom designs to meet customer requirements
- Optional Nelson studs supplied ex works
- Liner size allows for localized replacement in high wear areas.
- Reduced downtime & reduced maintenance costs
- Longer service when compare to conventional materials



Click for More Information

For more information and benefits of ASGCO's Wear Solutions contact us at [www.asgco.com](http://www.asgco.com)