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to improve efficiency, safety
and productivity.

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

ASGCO®
Complete Conveyor Solutions

ASGCO®'s Armorite® Increases Wear-Plate Life at Copper Mine Concentrator

Problem:

Due to the highly abrasive ore properties and the occasional 2"-3" steel balls from the SAG mills made this application very difficult for the mine. The average life of previous wear plates from two different manufacturers was on average about 6-8 weeks. Both of these previously supplied carbide wear plates were cracking due to the high impact of the ore and simply do not provide the wear protection the mine was looking for.

Solution:

After reviewing the application, it was determined that the Armorite® was the Solution to this problem. The extremely hard, laminated bi-metallic, wear resistant composite provides maximum impact and abrasion protection in high wear areas, with the mild steel backing cushioning the white iron, enabling it to withstand the impact. The pieces of Armorite® wear plate were welded into place and showed excellent results. Within 9 months of weekly, then monthly monitoring, the customer realized how great the product was. The mine now estimates the Armorite® wear liners will give them approximately 1 year of life before change outs.

The Armorite® Wear Liners provided 6 times longer wear life than the previous brand wear plates!!!

Based on those results the plant proceeded with a study to look at other high wear and impact applications where the Armorite would prove successful. ASGCO®'s Armorite® proved to be both impact and wear resistant, demonstrating "one year of wear life", and proved to be extremely cost effective and a great savings for the mine in both dollars and time...



Armorite® is an extremely hard (700 Brinell - 63Rc), laminated bi-metallic, wear resistant composite. Armorite® Typical Bond Zone Product Features:

- White iron: Modified AS2027 15/3 Cr Mo
- Vacuumed brazed and liquid nitrogen cooled to achieve a high strength joint
- Mild steel backing offers strength, machinability, and impact resistance
- Can be welded in place, through-bolted, stud bolted, drilled, tapped, keyed
- Ease of fitment, very versatile



Other Armorite® Applications:

- CHUTE LININGS
- ROCK-BOX EDGES
- GRIZZLY CAPS/SCREENS
- TRANSFER POINTS
- IMPACT PLATES
- DISTRIBUTOR PLATES
- ARM/HUB LINERS
- BIN LINERS
- HOPPER WEAR PLATES
- DIVIDER/SPLITTER BARS
- GENERAL WEAR PROTECTION
- LINER PANELS

For more information on our complete line of ASGCO® Armorite Wear Liners **ask...ASGCO.**

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