

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

Ceramic Pulley Lagging Proves to be the Answer to Wear and Slippage Problems

PROBLEM:

- A mining customer was getting less than a year before pulley lagging had to be changed out due to excessive wear.
- The lagging being used was a rubber lagging with square ceramic tiles pressed into the rubber, with no adhesion or rubber between the tiles to allow them to flex under high conveyor tension. The tiles would fracture, break and fly off the pulley.
- Square tile shape made it difficult to get a good bond on a 90-degree point versus a radius curve.
- Water and mud build-up in the center was forced under the tiles through a hydraulic action, further compromising the pulley lagging.

SOLUTION:

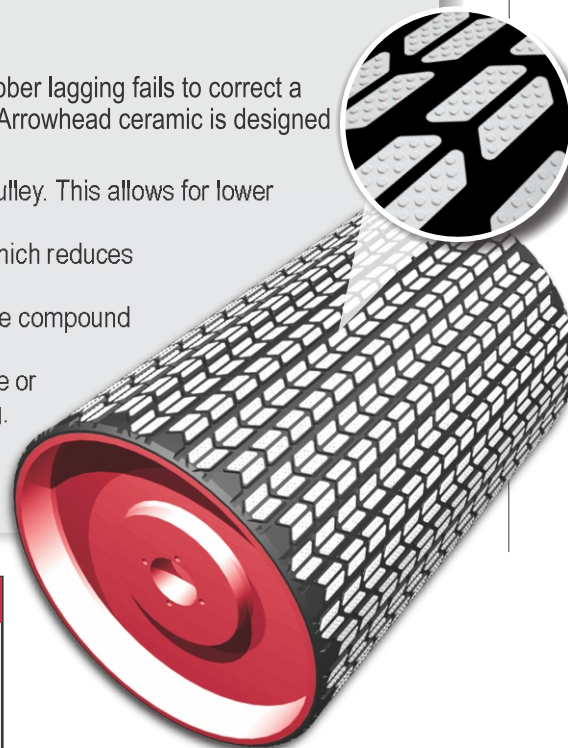
Arrowhead Ceramic Pulley Lagging provides the solution when conventional rubber lagging fails to correct a belt slippage problem and/or when rubber lagging wears prematurely. Our unique Arrowhead ceramic is designed for the highest drive factors, unlike conventional square tiles.

- **Increase Productivity** - by delivering increased traction between the belt and pulley. This allows for lower belt tension than with rubber lagging.
- **Improved Belt Tracking** - due to the Arrowhead patterns self-cleaning ability, which reduces material build-up and thereby eliminates the major source of misalignment.
- **Bonding Strength** - that is superior to others, due to 1/8" (3mm) of our neoprene compound vulcanized into bottom-side of the pulley lagging.
- **Extreme Durability** - in high feed rates and high conveying speeds and abrasive or highly wet or dry applications as seen in below ground and above ground mining.
- **Easy Installation** - can be done in place, on plant site, at your local distributor or at the pulley manufacturer. Each strip is 10" (250mm) wide x pulley face.

PROBLEM: Below are 2 examples of problems with ceramic lagging with the tiles not adhering to the rubber lagging as well as the rubber lagging not properly adhered to the pulley.

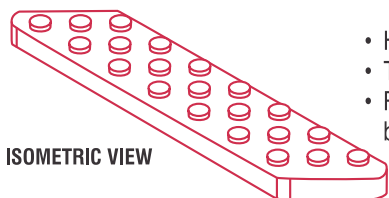


SOLUTION: Arrowhead ceramic lagged pulley about to be installed at a major metal mining operation.



[Click for More Information](#)

Design Features - Tiles



ISOMETRIC VIEW

- High grade aluminum oxide ceramic
- Tile fully enclosed by rubber
- Rounded corners allow for better adhesion between the rubber and the tile

For more information and benefits of Arrowhead Ceramic Pulley Lagging contact us at www.asgco.com

