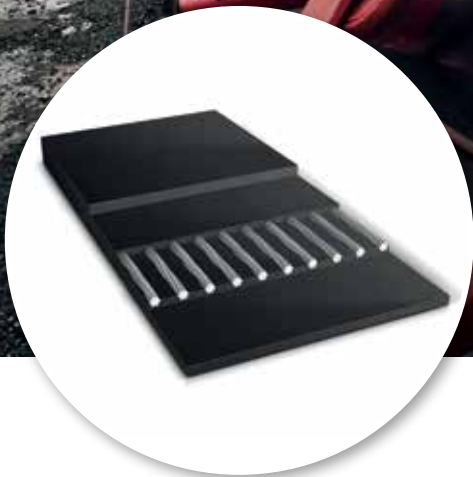


NEW

CLEANSHIELD™

THE NON-STICK COVER
FOR CLEANER OPERATIONS

PRODUCT SHEET



Sempertrans CleanShield™ is a revolutionary product designed to minimize surface adhesion and stickiness, ensuring smooth material transport even under challenging conditions. With excellent abrasion resistance and a specialized compound formulation for anti-stick properties, this product is the go-to solution for improving operational efficiency in mining and mineral processing industries.

KEY FEATURES

- **Anti-Stick Properties:** Specially engineered cover compound significantly reduces material build-up.
- **Durable Construction:** High abrasion resistance extends the belt's lifespan.
- **Tailored for Tough Environments:** Performs exceptionally well in copper mining leaching processes and other high-demand applications.
- **Reduced Downtime:** Minimizes cleaning requirements, enhancing productivity.

HIGHLIGHTS

- Full-thickness anti-stick cover compound
- Reduction of surface adhesion and stickiness
- Optimized for copper mining leaching processes
- Enhanced operational efficiency
- Compliance with stringent industry standards

APPLICATIONS



Hard rock mining (Copper, Gold, Silver, Zinc, Nickel, Uranium)



Mineral processing plants

AVAILABLE FOR THE FOLLOWING BELT TYPES

- Multitrans
- Sempercord
- Metalcord
- Metaltrans
- Autostable
- Transpipe
- Ripstop



TECHNICAL PERFORMANCE

Abrasion Coefficient Index: Sempertans CleanShield™ outperforms standard compounds in abrasion resistance, as demonstrated in comparative tests below.

Temperature Resistance: Handles extreme conditions without compromising performance.

Tensile Strength: High-strength fabric ensures reliability during heavy-duty operations.

ABRASION COEFFICIENT INDEX

Conventional cover compound vs.
Sempertans CleanShield™



The abrasion coefficient index is used to evaluate how well different rubber compounds resist wear when exposed to abrasive materials.

HOW DOES SEMPERTRANS CLEANSHIELD™ WORK?

Unlike conventional belts, Sempertans CleanShield™ employs a specially designed cover compound that drastically reduces material adhesion. This innovative surface prevents wet or sticky materials from clinging to the belt, ensuring cleaner operations and less frequent cleaning stops. Comparative testing shows that Sempertans CleanShield™ reduces material carry-back by up to 50% compared to standard cover compounds, enhancing overall efficiency and productivity.

STANDARD COVER VS NON-STICK COMPARISON



CONVENTIONAL COVER COMPOUND

Standard rubber compounds provide basic resistance to abrasion. However, when transporting rough or sharp bulk materials, the surface tends to wear down more quickly. This results in reduced belt lifespan and higher maintenance needs.

SEMPERTANS CLEANSHIELD™

Developed with anti-adhesive properties, non-stick cover compound prevents material build-up on the belt surface. With less material sticking, friction and scraping are minimized. This significantly improves abrasion resistance, extending service life and reducing downtime for maintenance.

In summary: while conventional cover compounds perform adequately in normal conditions, Sempertans CleanShield™ ensures longer durability, lower maintenance, and better reliability in demanding applications.

ADVANTAGES OF SEMPERTRANS CLEANSHIELD™

1. Longer Belt Life: Reduced wear and tear prolongs operational periods.
2. Improved Efficiency: Minimizes material carry-back, ensuring continuous operations.
3. Cost Savings: Reduced cleaning and maintenance costs lead to significant operational savings.

Our experts are ready to assist you with customized solutions for your conveying needs. Get in touch to learn how Sempertans CleanShield™ belt can transform your operations.