

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

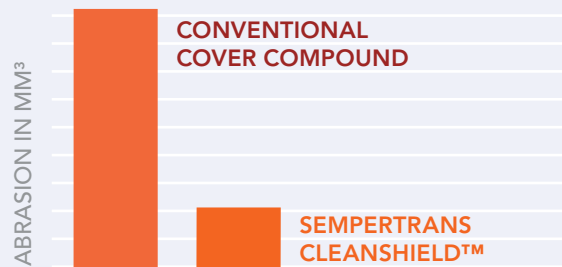
Abrasion Coefficient Index: Sempertrans CleanShield™ outperforms standard compounds in abrasion resistance, as demonstrated in comparative tests below.

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. Sempertrans 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, Sempertrans 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 Sempertrans 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.

SEMPERTRANS 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, Sempertrans 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 Sempertrans CleanShield™ belt can transform your operations.

As the operating conditions have an influence on product application, it is the sole responsibility of the customer to check the application conditions of each individual case, and whether the specified quality criteria of our products are adequate for the intended purpose. Improper use, excessive loading, or exposure to impermissible media can impair the product's function. The pictures and graphics shown are only representative images. No liability is accepted for mistakes or printing errors, and data is subject to change at any time. Sustainability report can be found here <https://www.sempergroup.com/company/sustainability>. Copying and distribution in any form whatsoever, in whole or in part, only with the express written consent of Semper. Copyright © Semperit 2025. All rights reserved.