

# TRANSDURA™

ANTI-ABRASIVE AND CUT  
& GOUGE RESISTANT COVER

## PRODUCT SHEET

Everything is about wear and tear when conveyed materials do not involve chemicals, extreme temperatures or fire hazards. Transdura™, the Sempertrans anti-abrasive covers are the best choice for superior wear and tear as well as cut & gouge resistance.

### THE CONCEPT

Transdura covers do more than just fulfil local and international standards. They also set benchmarks in the industry. No matter which application is required, Sempertrans offers the optimal cover meeting wear and tear requirements for every type of material without losing focus on the need to be economical and the total cost of ownership.

### PRODUCT FEATURES

Sempertrans has developed a complete range of specifically adapted covers. These cover grades exceed standards for the most part, ensuring an extended service life and higher productivity in customer operations.

Some of our top anti-abrasive special covers include:

#### X+ – Exceeding standards

Customers who are satisfied with our X cover grade will be excited about X+ which outperforms the standard values according to DIN X. Made especially for hard rock mining and heavy duty installations, this compound ensures extra service life and protection for your belts.

#### D50 – The hard rock cover

Especially designed for the specific requirements of hard rock mining. It is the perfect fit for highly abrasive ores. It provides high cut & gouge resistance with a very low abrasion, maximising the lifetime of your belts.

#### D30 – The iron cover

Sempertrans' newly developed cover with rock bottom abrasion values has been especially designed for the transportation of small sized, but highly abrasive materials such as iron ore.

### HIGHLIGHTS

- Long life solution for both steel cord and textile conveyor belts
- Excellent abrasion and cut resistance
- Applicable for both sharp edged and large sized materials in heavy duty operations, and small sized materials in light applications
- Sustains temperatures as low as -35°C and up to 60°C (short term peak up to 80°C)

### APPLICATIONS



Open-pit mining  
Lignite and hard rock mining



Cement industry



Steel industry



Aggregates  
Mineral processing plants  
Salt industry



Overland conveyors  
Port operations  
Power and heating plants

### AVAILABLE FOR THE FOLLOWING BELT TYPES

- Multitrans
- Sempercord
- Metalcord
- Metaltrans
- Autostable
- Transpipe
- Ripstop
- Translev
- Transprofile
- Biathlon
- Transglis

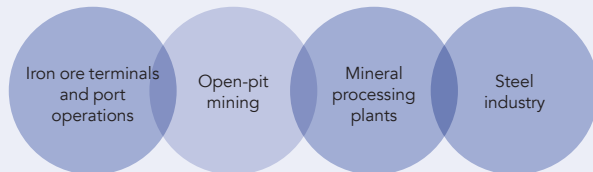


## FOCUS ON TRANSDURA™ D30: New cover grade with superior abrasion resistance for fine, abrasive materials

### Benefits & advantages

- Newest Sempertrans cover with absolute top abrasion resistance
- Especially designed for transportation of small sized but highly abrasive materials such as iron ore

### Main applications



## DATA

Mechanical characteristics of Transdura standard covers:

Cover grades acc. to DIN, ISO, US and AS standards	Standards	Characteristics	Tensile strength (MPa)	Elongation at break (%)	Abrasion (mm <sup>3</sup> )	Cut & gouge resistance	Sharp edged material	Lump size	Impact
X	DIN	Abrasion and cut resistant cover for sharp-edged or lumpy material, highest requirements for heavy duty operation	≥ 25	≥ 450	≤ 120	Good	Yes	Large	Heavy
W	DIN	Anti-abrasive cover with excellent mechanical properties for smaller sized lumps with abrasive properties	≥ 18	≥ 400	≤ 90	Fair	No	Small	Normal
Y	DIN	Cover with good mechanical properties for standard applications	≥ 20	≥ 400	≤ 150	Fair	No	Small	Normal
H	ISO	Abrasion and cut resistant cover for sharp-edged or lumpy material, highest requirements for heavy duty operation	≥ 24	≥ 450	≤ 120	Good	Yes	Large	Heavy
D	ISO	Anti-abrasive cover with excellent mechanical properties for smaller sized lumps with abrasive properties	≥ 18	≥ 400	≤ 100	Fair	No	Small	Normal
L	ISO	Cover for light applications without special requirements	≥ 15	≥ 350	≤ 200	Fair	No	Small	Light
M	AS	Abrasion and cut resistant cover for sharp-edged or lumpy material, highest requirements for heavy duty operation	≥ 24	≥ 450	≤ 125	Good	Yes	Large	Heavy
A	AS	Anti-abrasive cover with excellent mechanical properties for smaller sized lumps with abrasive properties	≥ 17	≥ 400	≤ 70	Fair	No	Small	Normal
N	AS	Cover for light applications without special requirements	≥ 17	≥ 400	≤ 200	Fair	No	Small	Light
RMA-I / RMA		Cover with good mechanical properties for standard applications	≥ 17	≥ 400	≤ 125	Fair	No	Small	Normal
RMA-II / RMA		Cover for light applications without special requirements	≥ 14	≥ 400	≥ 175	Fair	No	Small	Light

Mechanical characteristics of Transdura special covers:

Cover grades	Description	Tensile strength	Elongation at break	Abrasion resistance
X+	Abrasion and cut & gouge resistant cover for sharp-edged and large sized materials, heavy duty operations	+++	+++	+
D50	Excellent impact resistant properties while providing very low abrasion	++	+++	++
D30	Highly anti-abrasive cover for small size materials	+	++	+++