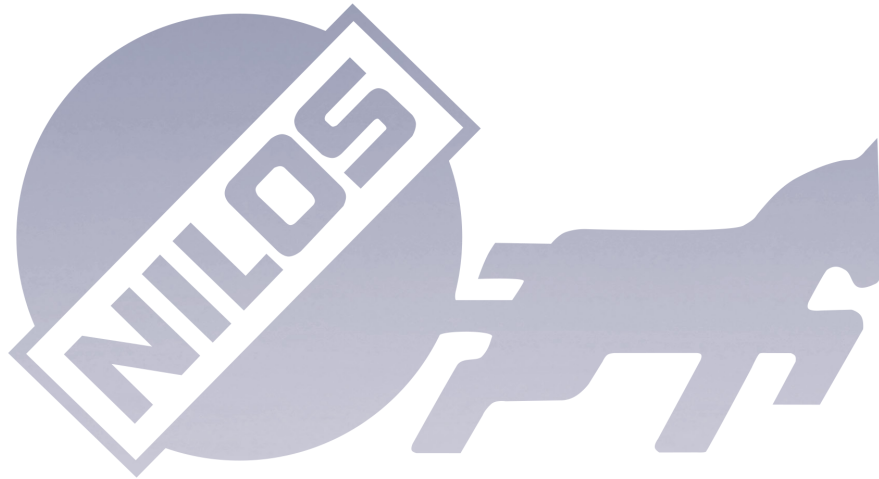


# NILOS



# CONVEYING

HIGH QUALITY  
MADE IN GERMANY

## Product Catalog 2025

Your competent partner and  
manufacturer since 1926!



# HISTORY

## HISTORY

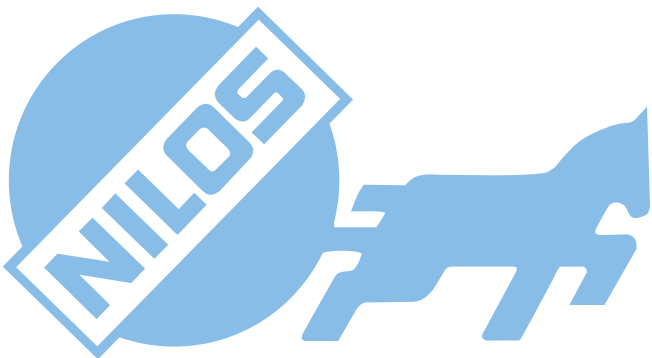
### The Foundation

Hans J. Ziller (\*15.07.1907 †14.09.1985) attended school in Leipzig, then studied mechanical engineering and later mining. During this time, he became familiar with all mining methods used in Germany.

In 1926, he joined the engineering office Paul Wever, a representative of industrial and mining supplies. At that time, the first cautious steps were being taken in both underground and surface mining towards the use of conveyor belts, which needed to be spliced quickly and securely to form endless connections.

NILOS is distinguished by its application-based development of high-quality and innovative products in the field of conveyor belt vulcanization. The NILOS brand is composed of the German words "nie" (never) and "los" (loose) – stands for the durability and consistency of the company.





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MILOS  
TOPGUM  
TL-T 60

KLEBER/CEMENT  
KALT/COLD

MILOS GmbH & Co. KG

Sicherheitsdatenblatt  
P 273  
Umweltgefährlich  
die Umwelt  
toxisch  
Giftig  
BEI KONTAKT  
mit der Haut  
Sofort abwaschen  
Einige Minuten  
Kontakt  
KEIN Einatmen  
Gefahren  
H 225  
Sehr entzündlich  
H 336  
H 304  
Schwermetalle  
toxisch  
Wirkung

# ADHESIVE SYSTEMS AND SOLUTIONS

The **adhesive systems and solutions** product lines are long-established, proven developments that have been tested in practice over many years and are manufactured by NILOS to the highest quality standards in Germany. Whether for hot vulcanization or cold bonding, removing oil and grease contamination or bonding rubber to metal - NILOS has the right solution for you.

## OUR ADHESIVE SYSTEMS YOUR ADVANTAGES

- + Cold bonding of rubber to metal - especially for pulley lagging
- + Repairs and endless splices for steel cord and fabric conveyor belts
  - + Lining of silos, tanks and pipes
- + Hot vulcanization of sidewalls and cleats

**Cold Bonding** is used when local conditions do not allow the use of additional vulcanization equipment, or when the shape of the material makes a chemical bond necessary. NILOS TOPGUM adhesives are available in various versions, all of which are activated with a universal hardener. The adhesives achieve high bonding strength - even under high dynamic loads. An adhesion primer for rubber to metal bonding completes the product line.

**Oil and grease contamination** is a common issue in rubber applications. The NILOS range includes a dedicated cleaner to remove oil and grease contaminants during hot vulcanization or cold bonding.

**Hot vulcanization** is a process that has proven itself especially suitable for repairs and endless splicing of conveyor belts, or for bonding rubber to metal. When applied correctly, it creates durable and high-strength joints between the individual components. NILOS hot vulcanizing solutions offer excellent initial tack to ensure secure positioning of the components during processing.

# COLD BONDING SYSTEMS TOPGUM

NILOS adhesive systems are developed to meet the strict safety requirements of tunnel construction and underground mining. In these environments, flammable materials and potential ignition sources must be strictly avoided.

These adhesive systems are non-flammable and entirely free from trichloroethylene.

**NON FLAMMABLE**  
**NO GASOLINE**  
**AND FREE OF TRICHLOROETHYLENE**



## Excellent performance

Offers comparable properties with an optimized formula

## Strength from a single source

Cold adhesive systems fully harmonized with rubber materials

The **TOPGUM cold bonding adhesive systems** are two-component packages that are specifically used in wear and corrosion protection, e.g., for cold bonding of rubber-to-rubber, rubber-to-metal, rubber-to-fabric, fabric-to-fabric, and related repairs. As a package with our universal hardener, they achieve very high adhesion values while remaining dynamically resilient.

## NILOS TOPGUM UNIVERSAL

**NILOS TOPGUM UNIVERSAL HARDENER** is the small bottle whose contents activate all cold bonding adhesives from the NILOS product range.



**NILOS TOPGUM UNIVERSAL HARDENER** in its proven bottle with innovative safety cap.

- + Multilingual label
- + Exact mixing ratio: 1 steel drum and 1 bottle
- + No measuring cup required
- + Universal hardener for all NILOS cold bond adhesives

### Technical description

**Colour:** transparent  
**Shelf life:** in a dry environment and at room temperature, unopened 36 months

Solution	Hardener	Unit	Item no.
TOPGUM UNIVERSAL	1 x 33 g	Bottle	H 0060-H

# COLD BONDING SYSTEMS TOPGUM

## NILOS TOPGUM TL-T70 (non-flammable)

**NILOS TOPGUM TL-T70** is a non-flammable cold bonding adhesive that can be specifically used where safety precautions do not allow the use of flammable components. This is particularly the case for underground applications, in tunnel construction and in poorly ventilated environments.

**NILOS TOPGUM TL-T70** is free from trichloroethylene and the associated health risks.

- + Cold bonding and repairs of fabric reinforced conveyor belts
- + Bonding of rubber-to-rubber, rubber-to-metal, rubber-to-fabric, fabric-to-fabric
- + Cold bonding of pulley laggings

### Technical description

- Colour:** black
- Density:** approx. 1.43 g/cm<sup>3</sup>
- Pot life:** approx. 3 hours
- Shelf life:** in a dry environment and at room temperature, unopened 24 months



Solution	Quantity	Hardener	Unit	Item no.
TOPGUM TL-T70	1.0 kg	1 x 33 g	Set	H 0257
	1.0 kg		Steel drum	H 0257-K

## NILOS TOPGUM TL-T60

**NILOS TOPGUM TL-T60** achieves very high adhesion values in the cold bonding of pulley laggings, fabric belts and other rubber wear protection. The excellent tack at contact helps to fix the material to be bonded right from the start. The adhesion more than doubles within the first few hours.



- + Cold bonding and repairs of fabric reinforced conveyor belts
- + Bonding of rubber-to-rubber, rubber-to-metal, rubber-to-fabric, fabric-to-fabric
- + Cold bonding of pulley laggings

### Technical description

- Colour:** black
- Density:** approx. 0.88 g/cm<sup>3</sup>
- Pot life:** approx. 2 hours
- Shelf life:** in a dry environment and at room temperature, unopened 36 months

Solution	Quantity	Hardener	Unit	Item no.
TOPGUM TL-T60	0.7 kg	1 x 33 g	Set	H 0259
	0.7 kg	-	Steel drum	H 0259-K
	4.2 kg	6 x 33 g	Hobbock	H 0416

# COLD BONDING SYSTEMS TOPGUM

## NILOS TOPGUM TL-T50

**NILOS TOPGUM TL-T50** is a comparable adhesive to our TL-T60, with a significantly longer processing time after activation with **TOPGUM UNIVERSAL HARDENER**. This adhesive system is often used for large pulleys, silo linings or transfer points.

- + Linings of rubber coverings in silos, tanks, and large-scale containers
- + Bonding of rubber-to-rubber, rubber-to-metal, rubber-to-fabric, fabric-to-fabric
- + Cold bonding of pipe linings

### Technical description

<b>Colour:</b>	black
<b>Density:</b>	approx. 0.76 g/cm <sup>3</sup>
<b>Pot life:</b>	approx. 4 hours
<b>Shelf life:</b>	in a dry environment and at room temperature, unopened 24 months



Solution	Quantity	Hardener	Unit*	Item no.
TOPGUM TL-T50	0.7 kg	1 x 33 g	Set	H 0050
	0.7 kg	-	Steel drum	H 0050-K

\*Other dimensions available on request.

## NILOS TOPGUM TL-W

**NILOS TOPGUM TL-W** is used wherever rubber-fabric belts for food applications need to be cold repaired or spliced endless.



Suitable for the high hygiene and quality standards in the food industry.

- + Cold bonding of pulley laggings
- + Cold repair and endless splicing of conveyor belts in food-grade quality

### Technical description

- Colour:** cream  
**Density:** approx. 0.88 g/cm<sup>3</sup>  
**Pot life:** approx. 3 hours  
**Shelf life:** in a dry environment and at room temperature, unopened 24 months

Solution	Quantity	Hardener	Unit	Item no.
TOPGUM TL-W	0.7 kg	1 x 33 g	Set	H 0273

# HOT VULCANIZING SOLUTIONS

## NILOS STG-B

For use in all hot vulcanizing applications on steel cord

- + Repairs and endless splicing of steel cord belts
- + Hot vulcanization of sidewalls and cleats

### Technical description

- Colour:** black
- Density:** approx. 0.9 g/cm<sup>3</sup>
- Shelf life:** in a dry environment and at room temperature, unopened 12 months



Solution	Quantity	Unit*	Item no.
STG-B	0.65 kg / 0.8 L	Steel drum	H 0312
	3.75 kg / 4.6 L	Hobbock	H 0312-B

\*Other dimensions available on request.

**NILOS hot vulcanizing solutions** are manufactured to the highest quality standards to ensure our customers achieve the best possible adhesion for their conveyor belt splicing and repairs.

## NILOS L-1000

### For use in all hot vulcanizing applications on fabric reinforced conveyor belts

- + Repairs and endless splicing of fabric reinforced conveyor belts
- + Hot vulcanization of sidewalls and cleats



### Technical description

- Colour:** black  
**Density:** approx. 0.9 g/cm<sup>3</sup>  
**Shelf life:** in a dry environment and at room temperature, unopened 12 months

Solution	Quantity	Unit*	Item no.
L-1000	0.65 kg / 0.8 L	Steel drum	H 0308
	3.75 kg / 4.6 L	Hobbock	H 0308-A

\*Other dimensions available on request.

# PRIMER

FOR THE IDEAL  
BOND BETWEEN  
RUBBER AND  
METAL

## NILOS SH

**NILOS SH** is a primer designed for use after surface preparation to significantly improve the bond between rubber and metal. Both adhesion and peel strength are significantly increased.

NILOS SH provides the best pre-treatment of metal surfaces to achieve the ideal bond between rubber and metal.

- + Pretreatment of metal surfaces for the subsequent use of our TOPGUM products
- + Apply after roughening and before bonding
- + Easy application using a roller

### Technical description

- Colour:** grey
- Density:** approx. 0.973 g/cm<sup>3</sup>
- Pot life:** approx. 30 minutes
- Shelf life:** in a dry environment and at room temperature, unopened 12 months



Solution	Weight	Unit*	Item no.
NILOS SH	0.735 kg	Steel drum	H 1139

\*Other dimensions available on request.

# CLEANER

## NILOS CLEANER

IDEAL FOR  
METALLIC  
SURFACES

### NILOS TYPE B (GASOLINE)

**NILOS Cleaner TYPE B** is a solvent-based, but CFC-free solution for thoroughly cleaning surfaces that need to be cleaned of various contaminants during rubber applications and bonding processes.



NILOS Cleaner TYPE B is perfect for degreasing oil- and grease-contaminated surfaces, especially in preparation for pulley lagging. It is recommended for surface cleaning before using our cold adhesive systems or primers and can also be used during conveyor belt splicing (with appropriate drying times).

- + Cleaning and degreasing of surfaces
- + Cleaning of brushes, spray guns and rollers
- + Degreasing of contaminants such as adhesives, solutions and paints

### Technical description

- Colour:** transparent
- Density:** approx. 0.76 g/cm<sup>3</sup>
- Shelf life:** in a dry environment and at room temperature, unopened 24 months

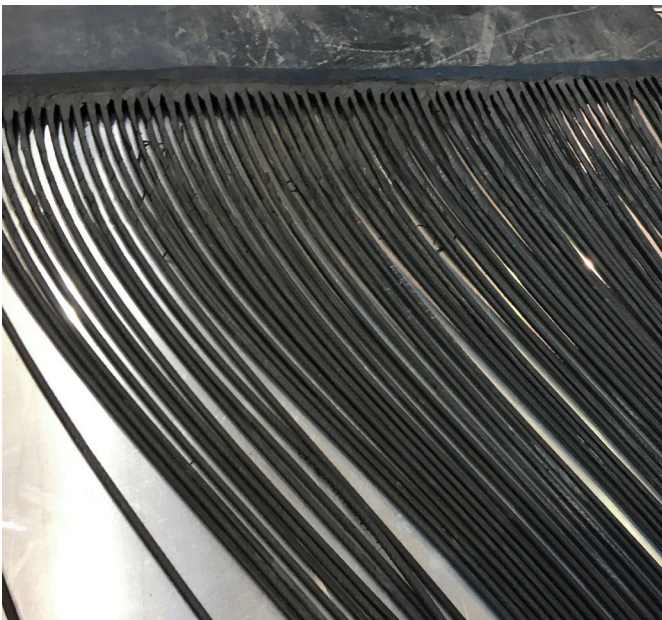
Solution	Weight	Unit	Item no.
Cleaner TYPE B	1 L	Steel drum	H 0315
	5 L	Hobbock	H 0315-B

# NILOS SPLICING KITS

Splicing or repairing a fabric conveyor belt requires both a vulcanization solution and uncured materials, including cover plate, intermediate rubber, and fabric. NILOS vulcanizing materials are designed to be compatible with most conveyor belt qualities from leading manufacturers. We create a customized splicing kit for you, containing all the necessary components and quantities.

## OUR SPLICING KITS YOUR ADVANTAGES

- + Perfectly matched materials for highest splice quality
- + Repairs and endless splicing of steel cord and fabric belts
- + Suitable for a wide variety of conveyor belt qualities and applications



### Materials for hot vulcanization of fabric belts

To perform a splice or repair on a fabric conveyor belt, the following components are required:

- vulcanization solution L-1000
- uncured rubber material  
(cover plate, intermediate rubber)
- fabric
- pressure pad

Our work instructions for hot vulcanization can be found at [www.nilos.de](http://www.nilos.de).



### Materials for hot vulcanization of steel cord belts

To perform a splice or repair on a steel cord conveyor belt, the following components are required:

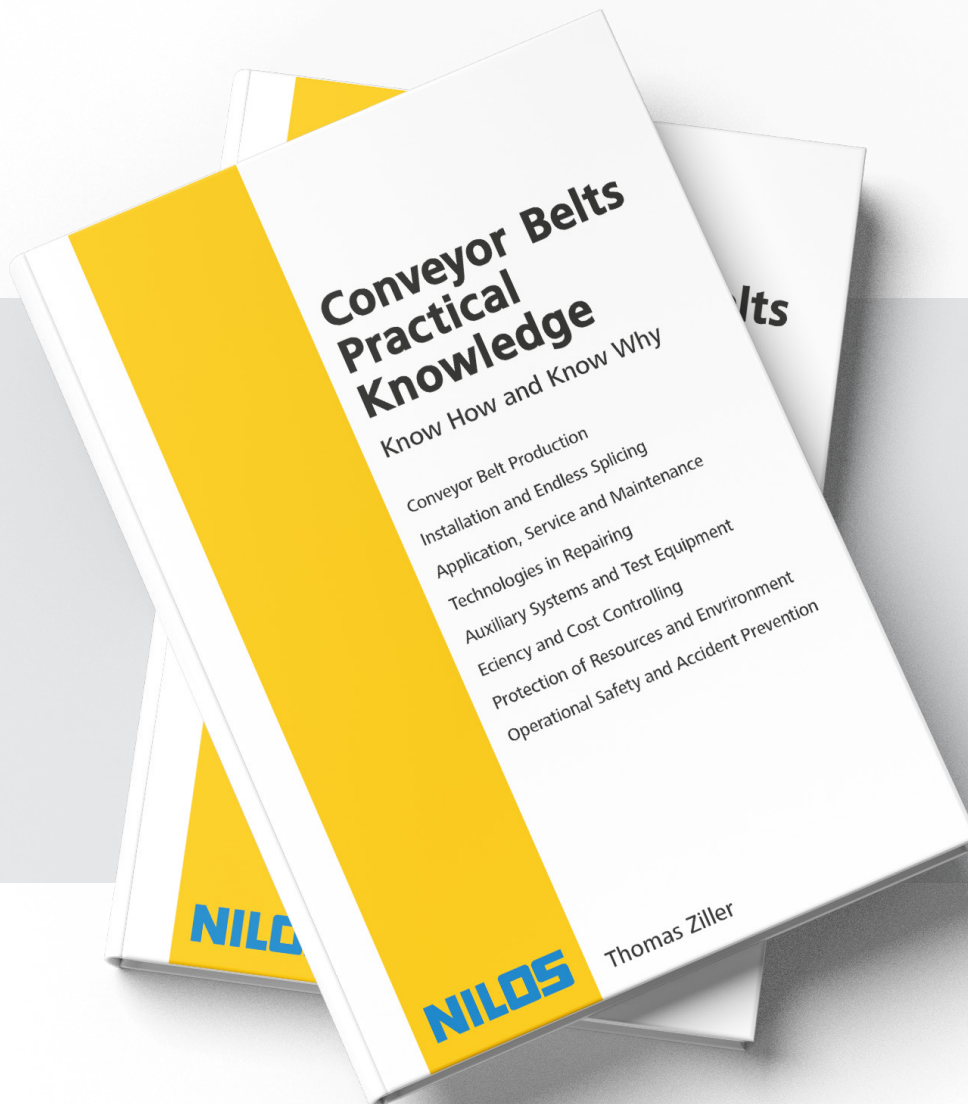
- vulcanizing solution STG-B
- uncured rubber material  
(cover plate, core plate and STG strips)
- pressure pad

Our work instructions for hot vulcanization can be found at [www.nilos.de](http://www.nilos.de).

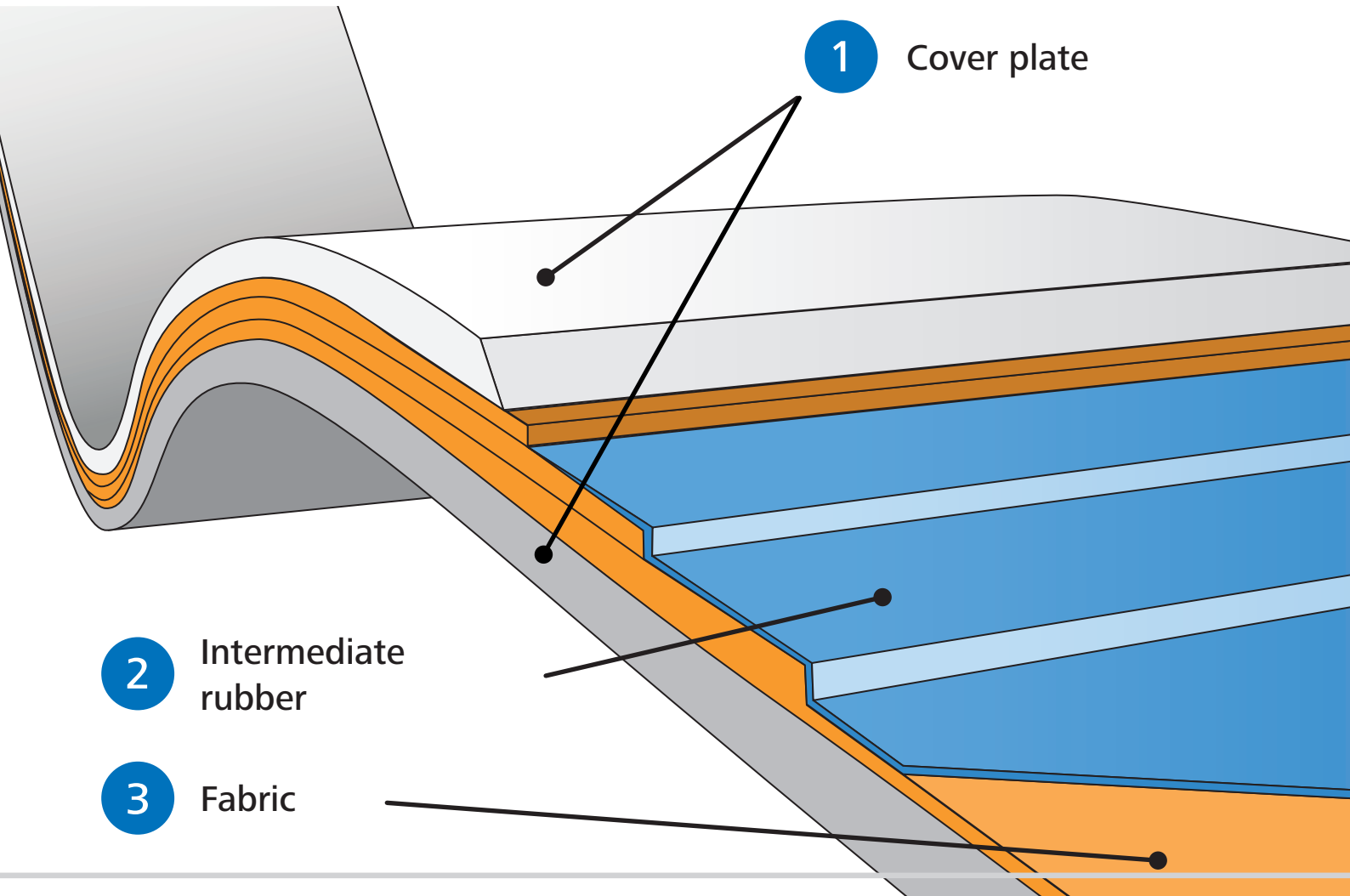


# You want to become an expert?

“Conveyor Belts Practical Knowledge” by Thomas Ziller provides in-depth information on the planning, operation, and maintenance of conveyor belt systems. With practical advice on material selection, fault diagnosis, and maintenance measures, it helps increase the efficiency and service life of conveyor belts. An indispensable reference work for engineers, technicians, and professionals in conveyor technology.



# HOT VULCANIZING MATERIALS FOR FABRIC BELTS



3

Fabric for hot vulcanization, rubberized on both sides, uncured

Width x Length*	Type	Item no.
1,000 x 10,000 mm	EP 160	H 0305

\*Other dimensions available on request.

# HOT VULCANIZING MATERIALS FOR FABRIC BELTS

1

## Cover Plate Type D-Gi-X, uncured, Elastomer SBR, NR

Density	1.10 g/cm <sup>3</sup>	DIN EN ISO 1183
Hardness	60 ± 5 Sh° A	DIN ISO 7619
Abrasion	105 mm <sup>3</sup>	DIN ISO 4649

Thickness*	Width*	Item no.
2 mm	500 mm	H 0278-X
3 mm	500 mm	H 0279-X
4 mm	500 mm	H 0280-X
5 mm	500 mm	H 0281-X
6 mm	500 mm	H 0282-X

\*Other dimensions available on request.

2

## Intermediate Rubber Type Z-Gi-X, uncured

Density	1.20 g/cm <sup>3</sup>	DIN EN ISO 1183
Hardness	70 ± 5 Sh° A	DIN ISO 7619

Thickness	Width	Item no.
0.8 mm	500 mm	H 0295-X
1.0 mm	500 mm	H 0206-X

## 1

## Cover Plate Type D-Gi-Y, uncured, Elastomer SBR, NR

Density	1.15 g/cm <sup>3</sup>	DIN EN ISO 1183
Hardness	60 ± 5 Sh° A	DIN ISO 7619
Abrasion	120 mm <sup>3</sup>	DIN ISO 4649

Thickness*	Width*	Item no.
2 mm	500 mm	H 0278-Y
3 mm	500 mm	H 0279-Y
4 mm	500 mm	H 0280-Y
5 mm	500 mm	H 0281-Y
6 mm	500 mm	H 0282-Y

\*Other dimensions available on request.

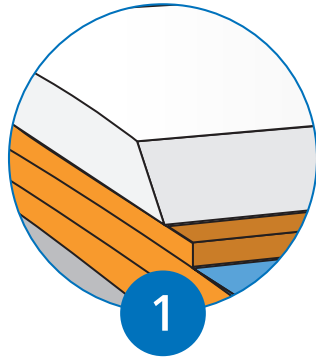
## 2

## Intermediate Rubber Type Z-Gi-Y, uncured

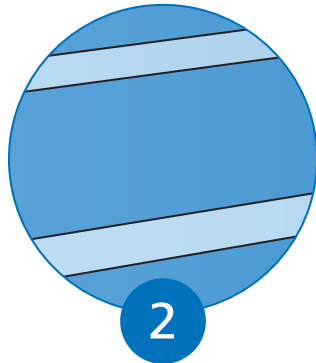
Density	1.20 g/cm <sup>3</sup>	DIN EN ISO 1183
Hardness	70 ± 5 Sh° A	DIN ISO 7619

Thickness	Width	Item no.
0.8 mm	500 mm	H 0295-Y
1.0 mm	500 mm	H 0206-Y

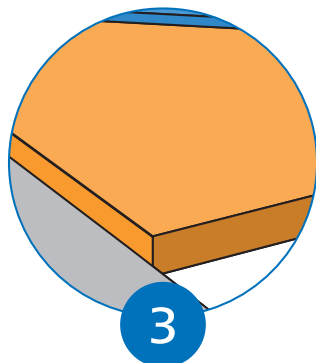
# HOT VULCANIZING MATERIALS FOR OIL- AND GREASE-RESISTANT FABRIC BELTS



Cover plate



Intermediate  
rubber



Fabric

1

## Cover Plate Type D-Gi-NBR, uncured, oil- and grease-resistant, Elastomer NBR

Density	1.23 g/cm <sup>3</sup>	DIN EN ISO 1183
Hardness	60 ± 5 Sh° A	DIN ISO 7619
Abrasion	115 mm <sup>3</sup>	DIN ISO 4649

Thickness*	Width*	Item no.
2 mm	500 mm	H 0201-NBR
3 mm	500 mm	H 0202-NBR
4 mm	500 mm	H 0203-NBR
5 mm	500 mm	H 0204-NBR
6 mm	500 mm	H 0205-NBR

\*Other dimensions available on request.

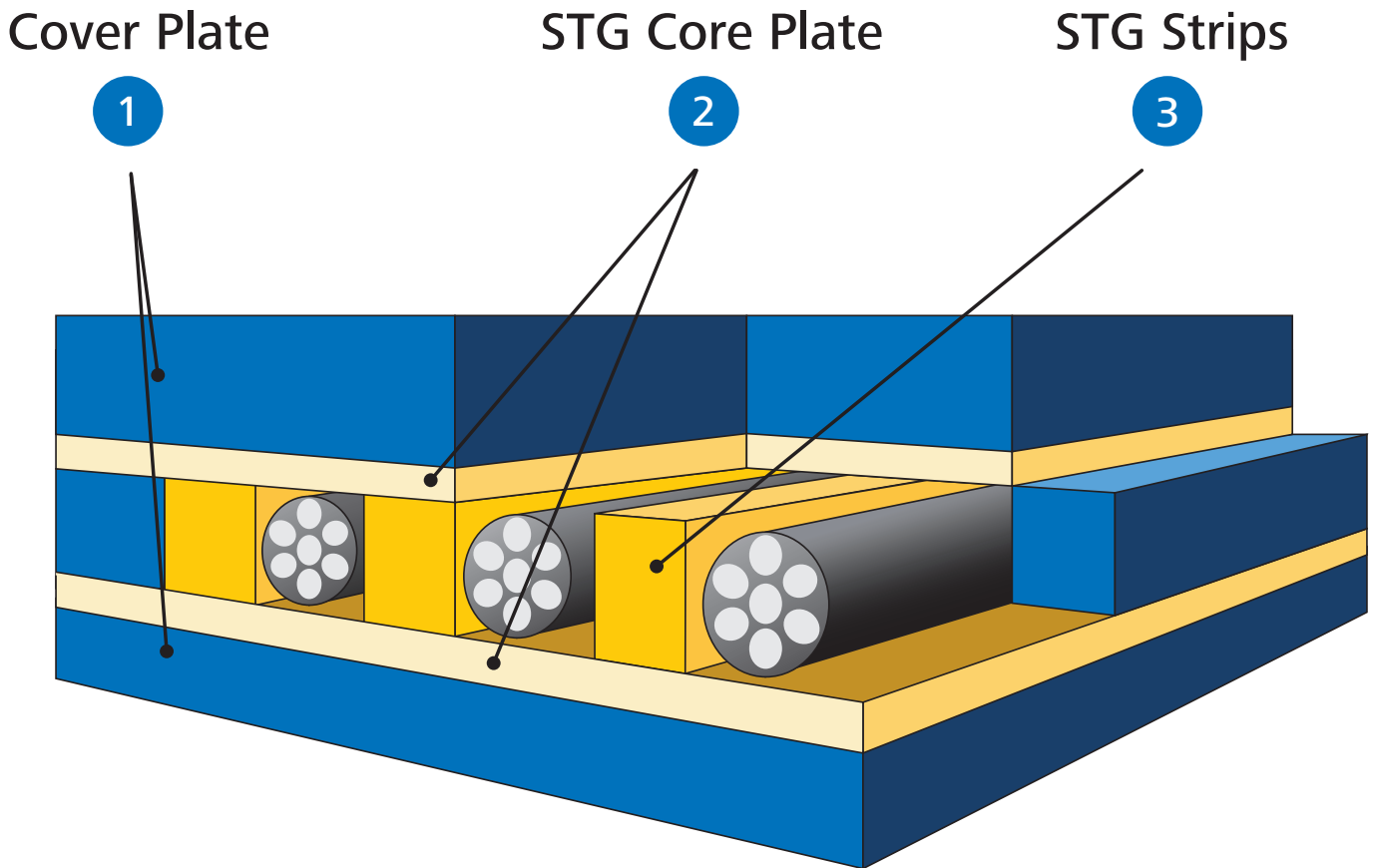
2

## Intermediate Rubber Type Z-Gi-NBR, uncured, oil- and grease-resistant, Elastomer NBR

Density	1.20 g/cm <sup>3</sup>	DIN EN ISO 1183
Hardness	70 ± 5 Sh° A	DIN ISO 7619

Thickness	Width	Item no.
0.8 mm	500 mm	H 0209-NBR
1.0 mm	500 mm	H 0210-NBR

# HOT VULCANIZING MATERIALS FOR STEEL CORD BELTS



1

## Cover Plate Type D-Gi-X, uncured, Elastomer SBR, NR

Density	1.10 g/cm <sup>3</sup>	DIN EN ISO 1183
Hardness	60 ± 5 Sh° A	DIN ISO 7619
Abrasion	105 mm <sup>3</sup>	DIN ISO 4649

Thickness*	Width*	Item no.
2 mm	500 mm	H 0278-X
3 mm	500 mm	H 0279-X
4 mm	500 mm	H 0280-X
5 mm	500 mm	H 0281-X
6 mm	500 mm	H 0282-X

\*Other dimensions available on request.

1

## Cover Plate Type D-Gi-Y, uncured, Elastomer SBR, NR

Density	1.15 g/cm <sup>3</sup>	DIN EN ISO 1183
Hardness	60 ± 5 Sh° A	DIN ISO 7619
Abrasion	120 mm <sup>3</sup>	DIN ISO 4649

Thickness*	Width*	Item no.
2 mm	500 mm	H 0278-Y
3 mm	500 mm	H 0279-Y
4 mm	500 mm	H 0280-Y
5 mm	500 mm	H 0281-Y
6 mm	500 mm	H 0282-Y

\*Other dimensions available on request.

# HOT VULCANIZING MATERIALS FOR STEEL CORD BELTS

2

## STG Core Plate

Thickness*	Width*	Item no.
2 mm	500 mm	H 0297

\*Other dimensions available on request.

3

## STG Rubber strips Type S-STG, uncured

Thickness x Width*	VPE	for steel cord	Item no.
2 x 5 mm	2 kg	ST 1000	H 0299-A
2 x 6 mm	2 kg	ST 1250	H 0272-2x6
2 x 7 mm	2 kg	ST 2000	H 0299
2 x 8 mm	2 kg	ST 2500	H 0272-2x8
2 x 9 mm	2 kg	ST 3150	H 0299-B
2 x 10 mm	2 kg	ST 4000	H 0272-2x10
2 x 12 mm	2 kg	ST 5000	H 0272-2x12
2.5 x 7 mm	2 kg	ST 2250	H 0271-A
2.5 x 8 mm	2 kg	ST 2500	H 0271
3 x 6 mm	2 kg	ST 1250	H 0275

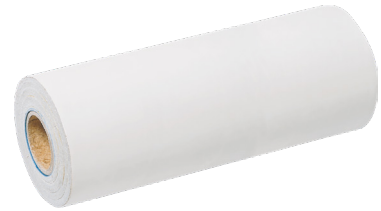
\*Other dimensions available on request.

# HOT VULCANIZING MATERIALS

## Shirting

Width	Length*	Item no.
1,000 mm	50 m	H 0316

\*Other dimensions available on request.



## Silicone paper

Width	Length*	Item no.
1,100 mm	10 m	H 0317-D

\*Other dimensions available on request.



## Pressure fabric

Width	Length*	Item no.
1,000 mm	10 m	H 0318

\*Other dimensions available on request.



## NILOS L-1000

Solution*	Unit	Item no.
0.65 kg / 0.8 L	Steel drum	H 0308
3.75 kg / 4.6 L	Hobbock	H 0308-A



# NILOS ADHESIVE LAYER

## Cold Film TM, grey, uncured

Thickness	Width	Length*	Item no.
1 mm	100 mm	10,000 mm	H 0253
1 mm	150 mm	10,000 mm	H 0252
1 mm	500 mm	10,000 mm	H 0254
1 mm	1,050 mm	10,000 mm	H 0255
2 mm	100 mm	10,000 mm	H 0253-20
2 mm	150 mm	10,000 mm	H 0252-20
2 mm	500 mm	10,000 mm	H 0254-20
2 mm	1,050 mm	10,000 mm	H 0255-20

\*Other dimensions available on request.







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