# Technical wheels

Co-engineering and subassembly

- 50+ years experience in high load & high speed applications
- standard and customised wheels, technical solutions for any machinery
- in-house design, engineering & manufacturing
- simulator facilities
- co-engineering with most important manufacturers
- global delivery

VULKOPRIN
QUALITY IN MOTION

covestro **VULKOLLAN®**
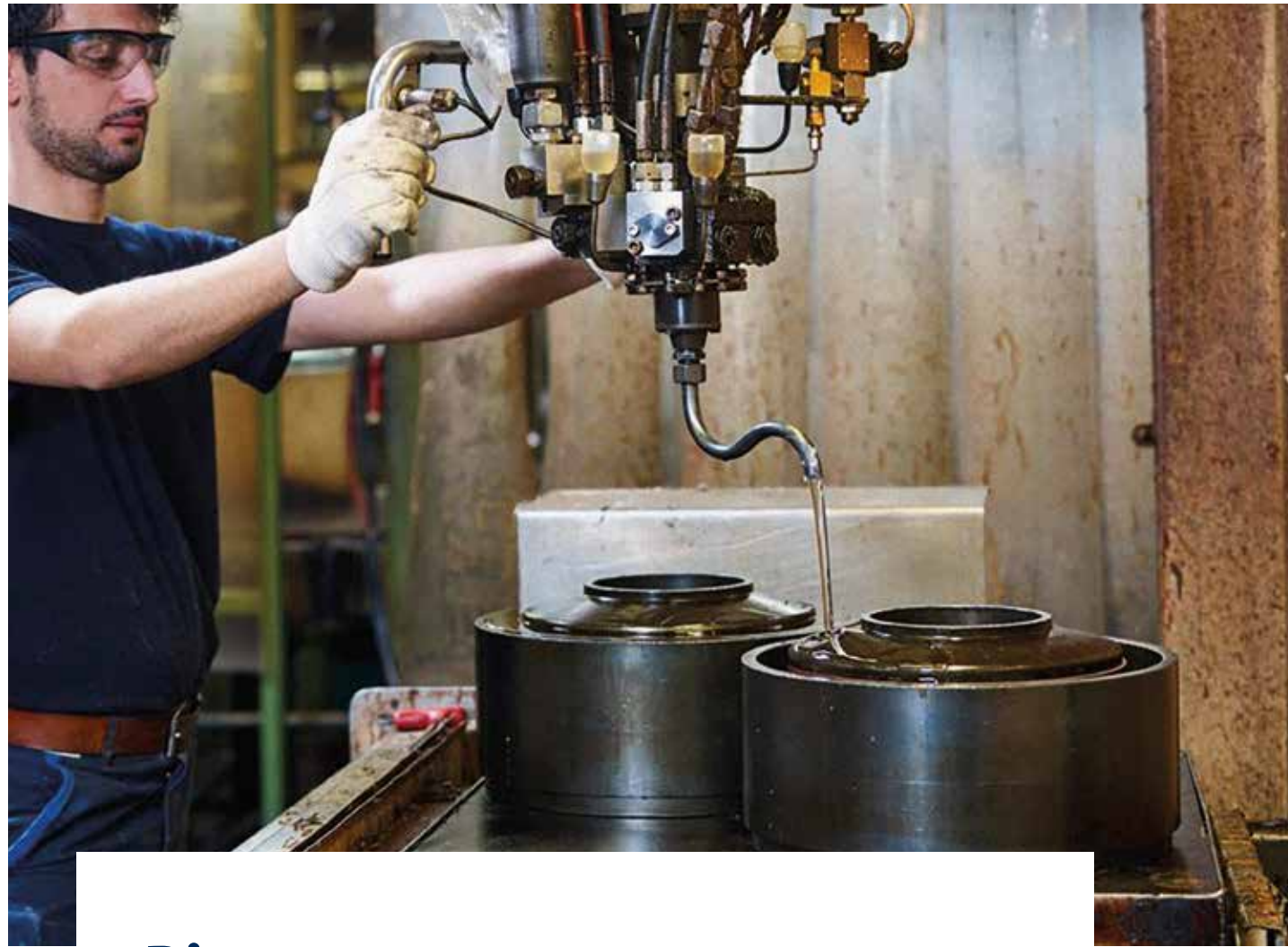
Discover our...

Discover our materials such as Vulkollan®, Printhopan and Printalon G which withstand high loads, high speeds, abrasion and deformation. Our in-house engineering & testing makes Vulkoprin the ideal partner for any OEM.

Vulkollan®
Desmodur® 15 (NDI)
Thé ultimate elastomer

Vulkoprin produces Vulkollan® in the range of 75 to 95 Shore A. This large range of hardness is one of the reasons why Vulkollan® can be found in almost all technical applications, spanning the gap between rubbers and thermoplastics.

The excellent combination of modulus and elasticity over a very wide temperature range results in wheels with very low rolling resistance and a high load-carrying capacity.

Custom engineered wheels

- design and engineering support
- top materials for extreme working conditions
- maximum load-capacities & high speed applications
- from diameter 20 mm to 1200 mm

APPLICATIONS

STACKER CRANES

Fastmoving stacker cranes equipped with drive and guide wheels made of Vulkollan®

WATER TREATMENT

Water treatment equipment runs on drive wheels made of Vulkollan® with anticorrosion protection.

INDUSTRIAL GATES

Custom-made groove wheel for industrial sliding gates.

Custom engineered wheels
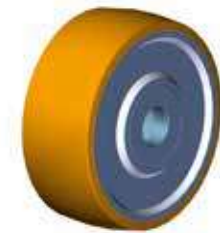
APPLICATIONS

INDUSTRIAL LIFTS

Assembly with concave guide rollers for steel cable in industrial elevators.

HEAVY-LOAD TRANSPORT

Handling of extreme loads with wheels made of Vulkollan®
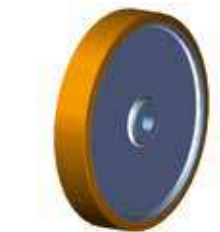
ROLLERCOASTERS

Leading manufacturer in Europe for highspeed rollercoaster wheels.
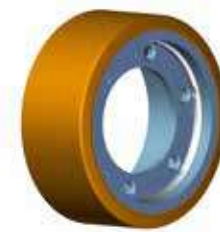
FORKLIFTTRUCKS

Heavy load 4-way sideloader in the glassindustry with wheels ⌀ 1100 mm.

AUTOMATED GUIDED VEHICLES

Drive wheel for AGV.

ELEVATORS

Guide roller made of Vulkollan® with excentric shaft for elevators

APPLICATIONS

TUNNEL DRILLING

Heavy load guiding wheels for tunneling and pipelines.

FILTER INSTALLATIONS

Tilting pan filters use antihydrolysis wheels made of Vulkollan®for phosphate washing.

BAGGAGE HANDLING

Baggage handling with precision guide rollers in airports.
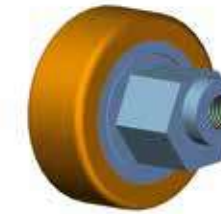
SCREENING DRUMS

Rotating screening drum with heavy load drive wheels made of Vulkollan®

COOLING DRUMS

Cooling drum with drive wheels made of Vulkollan® in cast iron manufacturing.

POTATO HARVESTING

Wheel made of Vulkollan® for chain conveying in potato harvesting.

Custom engineered wheels

APPLICATIONS

HARBOUR CRANES

Concave shaped guide wheel for cables in harbour cranes.

DOCKING STATION

Triple swivel castor for docking systems in airports.

TUMBLERS

Tumblers with drive wheels made of Vulkollan® in the meat industry.

GRAPHIC PRINTING

Adaptable swivel castor for print finishing equipment.

WASTE TREATMENT

Steel welded wheelcentre made of Vulkollan® for waste sorting equipment.

AUTOMOTIVE SOLUTIONS

Skidrollers made of Vulkollan® for automotive conveying systems.

For technical documentation:

https://www.vulkoprin.be/techcorner/

Table   **LEGEND** | • Basic | •• Good | ••• Recommended

Material	VULKOLLAN				PRINTHANE						
	75	80	90	95	Grip	B65	B75	C	X92	X95	X97
Application	VH75	VI80	VK90	VL95	RK90	BF65	BH75	YL95	CK92	CL95	CM97
Manual	•••	•••	•••	•••	-	•••	•••	•••	•••	•••	•••
Driven	•	••	•••	••	•••	•	••	•••	•••	••	••
Heavy load	•	•	••	•••	••	•	•	••	••	•••	•••
Long distance	•	•	•••	•••	••	•	•	•••	•••	•••	•••
Uneven floor	••	••	•••	•	••	••	••	•••	•••	•	•
Wet floor	••	••	••	•	•••	••	•••	••	••	•	•
Noise reduction	•••	•••	••	••	••	••	••	••	••	••	•
Rolling resistance	•	••	•••	•••	••	•	•	•••	•••	•••	•••
Non marking	•••	•••	•••	•••	•••	•	•••	•••	•••	•••	•••
Ambient temperature < 0°C	•	•	••	••	••	•	•	•	•••	••	•••
Ambient temperature > 40°C	••	••	••	••	••	•	•	••	•••	•••	•••
Wear	••	•••	•••	•••	••	•	••	••	•••	••	•••
V-max. lifttruck drive wheel m/s	-	12	25	30	25	-	12	25	30	-	-
V-max. lifttruck load Wheel m/s	-	16	30	40	30	-	16	30	40	-	-
Extreme V	•	•	••	••	••	•	•	••	••	•••	•••
Hydrolysis resistance	•	•	•	•	•	•	•	•	•••	•••	•••
Electrical conductive ISO2878	-	-	-	-	-	-	-	•••	-	-	-

**Material
handling
industry**

**Theme park
industry**

**Machinery
industry**

**Maintenance
& Repair**

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