

Cold-bonded Pulley Lagging

Focus on Belt Slippage Solutions



Cold-bonded Pulley Lagging

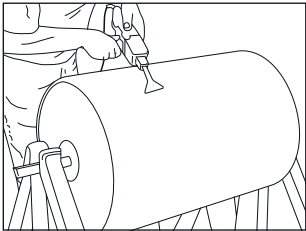
- High-strength neoprene rubber sheet
- Special CN layer requires no hot vulcanization and buffing, more environmentally friendly
- Use with GermanBelt cold bonding glue series for longer lasting and more stable quality
- Increase service life by more than 3 times for customers
- Lagging installed without removing belts and pulleys
- Less downtime needed to complete lagging installation
- Reduced works enable convenience and efficiency



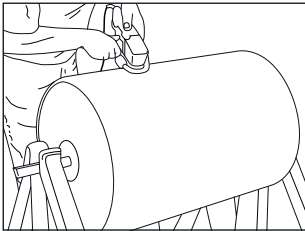
Cold-bonded Pulley Lagging	Hot-vulcanized Pulley Lagging
Lagging can be installed without removing pulley and belt.	Longer lead time
Low application costs	More expensive to perform
Cold bonding features simple operation processes.	Hot vulcanization requires professional team and complicated processes.
No special equipment is required and work can be carried out on site directly.	Hot vulcanization requires special equipment and cannot be performed on site.



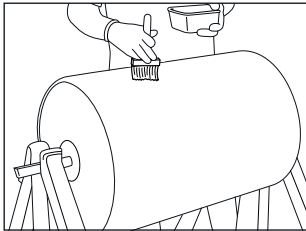
Pulley Lagging Operation Process



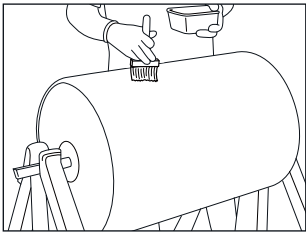
1. Remove old lagging with an electric impact drill.



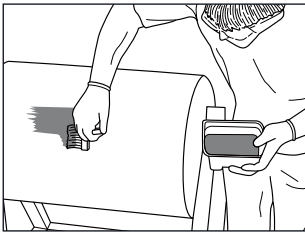
2. Use a grinder wheel to polish the metal surface to 90-140µm.



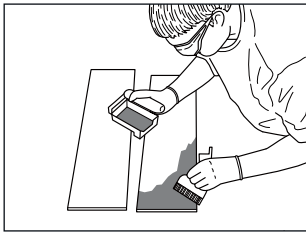
3. Use germanBelt CLT cleaner to rinse the pulley surface.



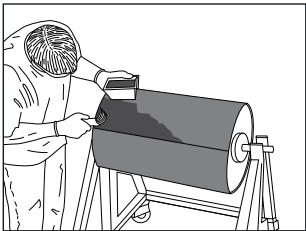
4. Coat the pulley surface with germanBelt MP metal primer using a brush.



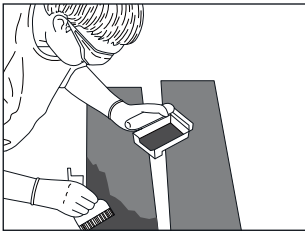
5. Coat the pulley surface with gB Solutions 2KR adhesive on using a brush.



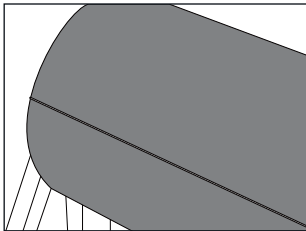
Coat the lagging strips with gB Solutions 2KR adhesive using a brush.



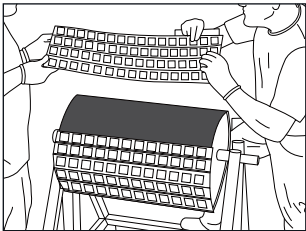
6. Apply a second coat of adhesive on the pulley.



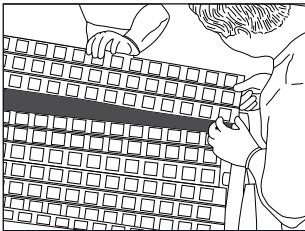
Apply a second coat of adhesive on the lagging strips.



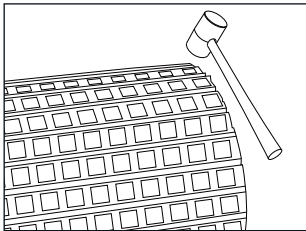
7. Mark a center line.



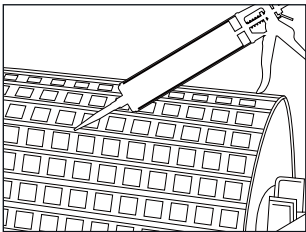
8. Install lagging strips.



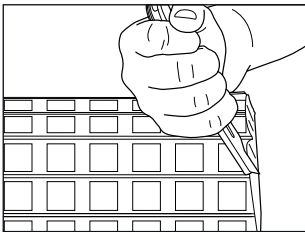
This step should be done when the glue is not completely dry and still sticky.



9. Tamping.



10. Seal any gaps with rubber sealer.

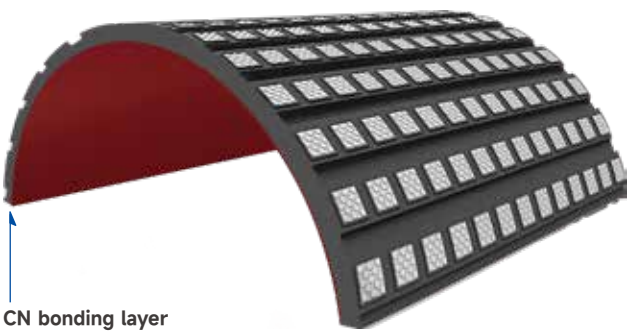


10. Trim the excess edge and seal.



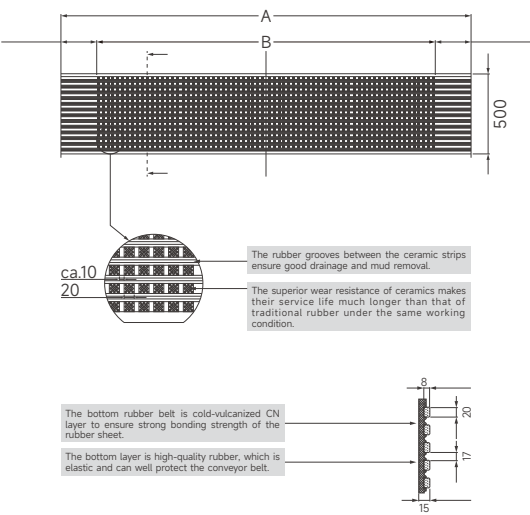
10. Pulley lagging is completed.

Pulley Lagging · Ceramic Lagging



Features

- 92% aluminum oxide ceramic tiles embedded in rubber can prevent belt slipping.
- Rubber grooves between ceramic tiles can ensure good drainage and mud removal.
- Super wear resistance and long service life.
- The bottom layer is made of high-quality rubber to reduce the friction and wear between the conveyor belt and the driving pulley.
- Under the same load, the belt tension can be reduced and the belt life can be extended.



Friction Coefficient			
Working Conditions	Steel Surface (no lagging)	QMH Rubber Lagging	QMH Ceramic Lagging
Dry	0.35-0.40	0.40-0.45	0.75-0.85
Wet	0.10-0.15	0.33-0.38	0.50-0.80
Mud	0.05-0.10	0.22-0.30	0.45-0.50

Application

- Pulley lagging for harsh working conditions.
- Transport of various muddy, wet and highly abrasive materials.
- High strength, high tension conveying systems.
- Ceramic tiles with particles on the surface are suitable for driving pulleys.

Product	Model	Thickness (mm)	Width (mm)	Length (mm)	Property	Ceramic Length (mm)	Ceramic Spec (mm)	Pulley Length (mm)	Belt Width (mm)	CN Layer
39% Ceramic Wear Lagging	TCY-12 TCY-15	12/15	500	650	Y	500	20*20*8	600	500	√
				800		650		750	650	
				1000		800		950	800	
				1200		1000		1150	1000	
				1450		1200		1400	1200	
				1650		1400		1600	1400	
				1850		1600		1800	1600	
				2050		1800		2000	1800	
				2250		2000		2200	2000	
				2550		2200		2500	2200	
	TCY-20	20	500	650	Y	500	20*20*10	600	500	√
				800		650		750	650	
				1000		800		950	800	
				1200		1000		1150	1000	
				1450		1200		1400	1200	
				1650		1400		1600	1400	
				1850		1600		1800	1600	
				2050		1800		2000	1800	
				2250		2000		2200	2000	
				2550		2200		2500	2200	
39% Ceramic Flame-retardant Lagging	TCK-12 TCK-15	12/15	500	650	K	500	20*20*8	600	500	√
				800		650		750	650	
				1000		800		950	800	
				1200		1000		1150	1000	
				1450		1200		1400	1200	
				1650		1400		1600	1400	
				1850		1600		1800	1600	
				2050		1800		2000	1800	
				2250		2000		2200	2000	
				2550		2200		2500	2200	
	TCK-20	20	500	650	K	500	20*20*10	600	500	√
				800		650		750	650	
				1000		800		950	800	
				1200		1000		1150	1000	
				1450		1200		1400	1200	
				1650		1400		1600	1400	
				1850		1600		1800	1600	
				2050		1800		2000	1800	
				2250		2000		2200	2000	
				2550		2200		2500	2200	

Pulley Lagging · Diamond Lagging



Features

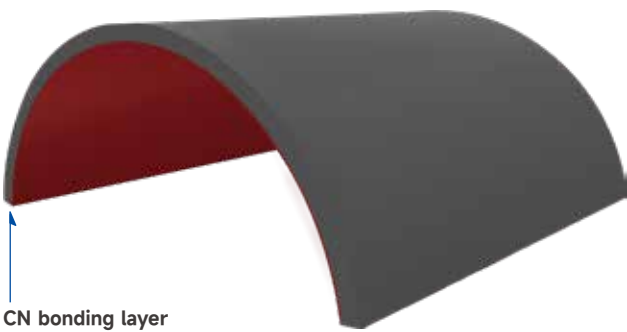
- The diamond-shaped groove is conducive to drainage and sewage discharge.
- Effectively avoid material accumulation on the drum surface and prevent the belt from running off track.
- Increase the friction between the drum and the belt to prevent the belt from slipping.
- Protect the drum and prevent the drum surface from wear and corrosion.

Applications

- Specially designed patterns, suitable for high-strength fabric belts and steel cord belts conveyor system pulley lagging.

Product	Specification	Packing Size (mm)	Weight (kg)
Diamond wear-resistant lagging	DRL10-2000/10000-X (B/O/R)	10×2000×10000	230
	DRL12-2000/10000-X (B/O/R)	12×2000×10000	280
	DRL15-2000/10000-X (B/O/R)	15×2000×10000	350
	DRL20-2000/10000-X (B/O/R)	20×2000×10000	470
Diamond flame-retardant lagging	DRL10-2000/10000-K (B/O/R)	10×2000×10000	230
	DRL12-2000/10000-K (B/O/R)	12×2000×10000	280
	DRL15-2000/10000-K (B/O/R)	15×2000×10000	350
	DRL20-2000/10000-K (B/O/R)	20×2000×10000	470

Pulley Lagging · Flat Lagging



Features

- Effectively prevent material accumulation on the pulley surface and prevent belt misalignment.
- Increase the friction between the pulley and the belt to prevent the belt from slipping.
- Protect the pulley and prevent the pulley surface from wear and corrosion.
- With the QMH engraving machine, it can engrave various sizes of patterns (diamond, herringbone, etc.) on flat rubber plates.

Applications

- Pulley lagging for medium and high tension conveyor belt.
- Bend pulley lagging.

Product	Specification	Packing Size (mm)	Weight (kg)
Flat wear-resistant lagging	PRL10-2000/10000-X (B/O/R)	10×2000×10000	298
	PRL12-2000/10000-X (B/O/R)	12×2000×10000	333.5
	PRL15-2000/10000-X (B/O/R)	15×2000×10000	400
	PRL20-2000/10000-X (B/O/R)	20×2000×10000	521
Flat flame-retardant lagging	PRL10-2000/10000-K (B/O/R)	10×2000×10000	298
	PRL12-2000/10000-K (B/O/R)	12×2000×10000	399
	PRL15-2000/10000-K (B/O/R)	15×2000×10000	457
	PRL20-2000/10000-K (B/O/R)	20×2000×10000	595

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