



TRINITY MINING SERVICES AND SUPPLIES **CAPABILITIES AND PRODUCTS**

REXLINE[®]

RUBBER



REXBOND[®]

RUBBER CEMENT



REXWRAP[®]

PULLEY LAGGING



REXLINE PREMIUM



REXLINE MAX



REXLINE[®]
RUBBER

REXLINE ORANGE



REXLINE IL



REXLINE GUARD



REXLINE BLACK



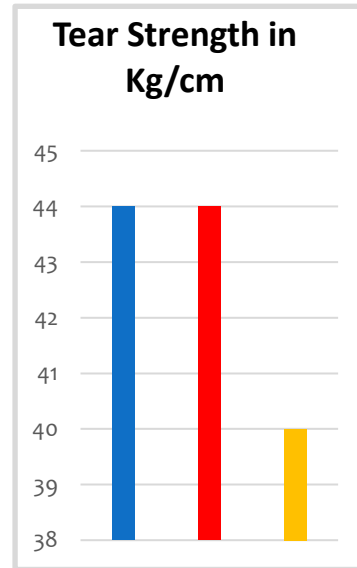
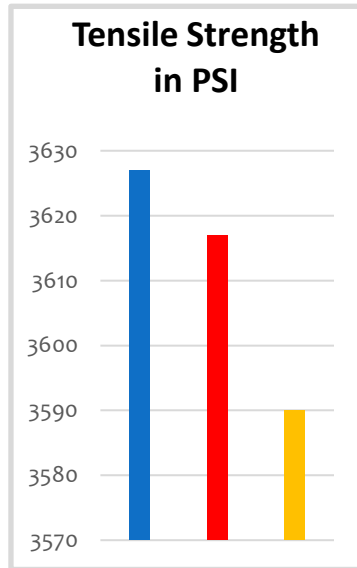
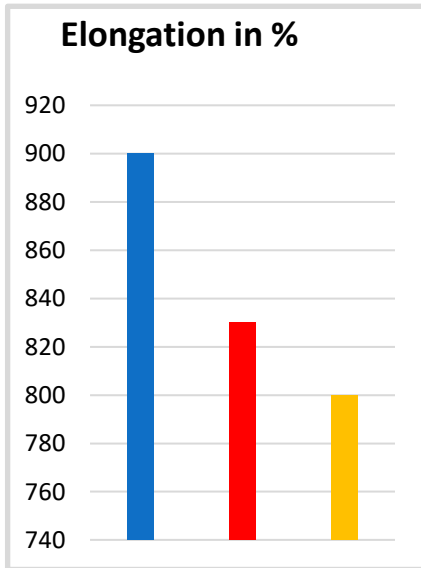


PROPERTIES	REXLINE™ Premium	REXLINE™ Max
Specific gravity	0.98	1.10±0.05
Hardness	38 ± 5 Sh A	40 ± 5 Sh A
Tensile strength (min)	25.5 Mpa	17 MPa
Elongation at break (min)	900%	650%
Abrasion resistance (max)	80 mm ³	100 mm ³
Tear resistance (Angular) min	44Kg/cm	40Kg/cm
Resilience	75%	60%

REXLINE™ Max available dimensions
3 x 1500 x 10000 mm
6 x 1500 x 10000 mm
10 x 1500 x 10000 mm
12 x 1500 x 10000 mm
20 x 1500 x 10000 mm

REXLINE™ Premium Available Dimensions
3 x 1500 x 10000 mm
6 x 1500 x 10000 mm
9 x 1500 x 10000 mm
10 x 1500 x 10000 mm
12 x 1500 x 10000 mm
15 x 1500 x 10000 mm
19 x 1500 x 10000 mm
24 x 1500 x 10000 mm

THIRD PARTY PRODUCT COMPARISON RESULTS



PROPERTIES	PREMIUM	MARKET PREMIUM RUBBER	PREMIUM 40
Specific gravity	0.98	0.96	0.97
Hardness	38 Sh A	38 Sh A	46 Sh A
Tensile strength (min)	25.5 MPa	25 MPa	15 MPa
Elongation at break (min)	900%	830%	600%
Abrasion loss at 10N Wet Application	7 mm ³	60 mm ³	52 mm ³
Abrasion Loss at 10N Dry Application	15.2 mm ³	254 mm ³	93 mm ³

■ REXLINE Premium
 ■ Premium market Rubber
 ■ Premium 40

☞ REXLINE Guard 60 rubber lining is a silica reinforced 60 Shore A soft rubber compound which is very effective against impact and abrasion where flexibility cannot be compromised. REXLINE Guard 60 rubber lining can maintain its natural strength and retaining the nerve of latex, together with the toughness needed for handling coarse materials.

Technical Specifications

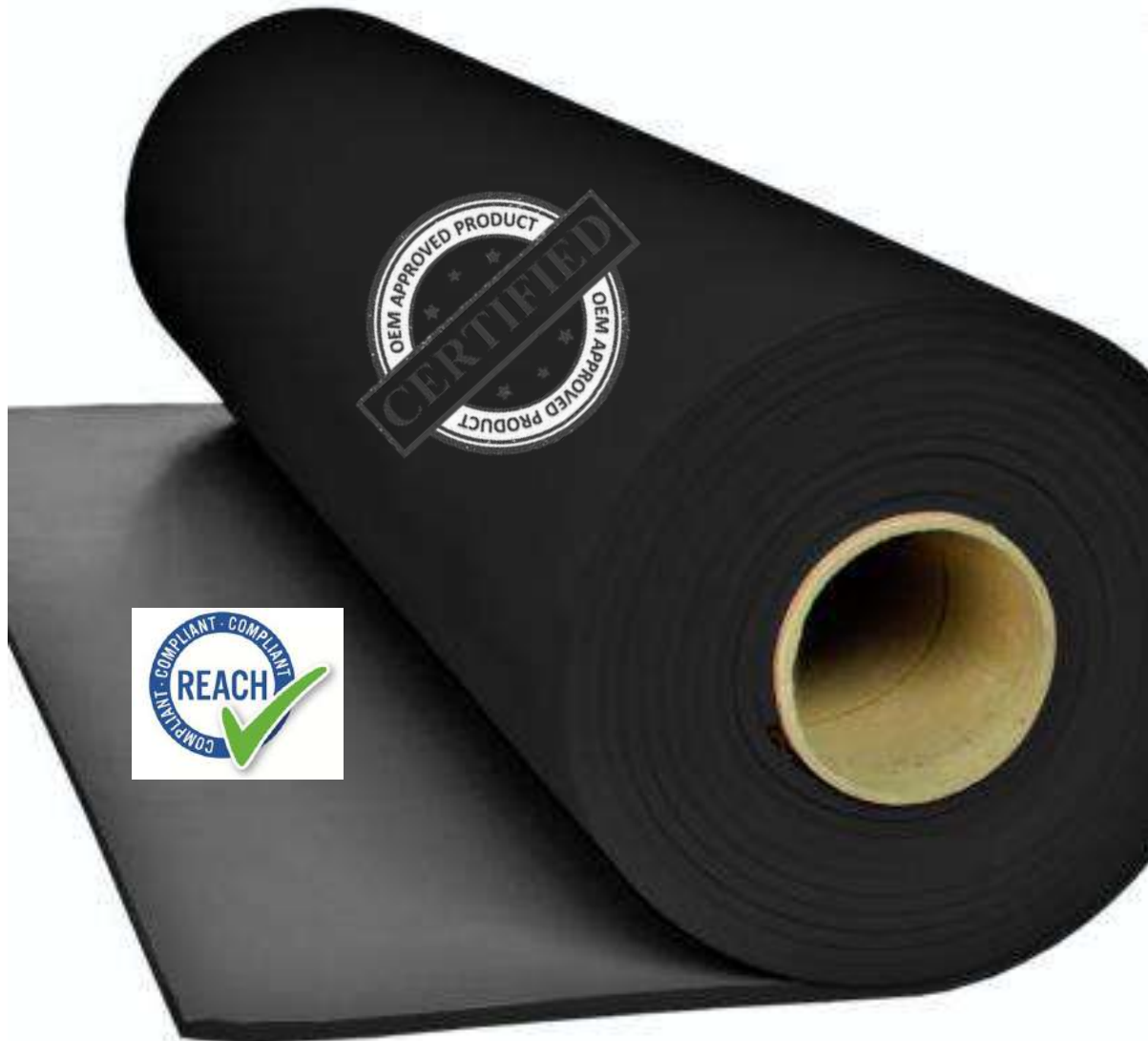
Polymer	NR
Hardness	60 ± 5 Shore A
Tensile strength	27 Mpa
Elongation at break	800 %
Specific Gravity	1.10
Operating Temperature	-40°C to +75°C
Finish	(Smooth on one side and other side buffed)

Properties	Guard 60	Premium Competitor
Specific gravity	1.10	1.10
Hardness	60 ± 5 Sh A	60 ± 5 Sh A
Tensile strength (min)	28 Mpa	27 Mpa
Elongation at break (min)	800%	690%



Available Dimensions

3 x 1500 x 10000 mm
6 x 1500 x 10000 mm
10 x 1500 x 10000 mm
12 x 1500 x 10000 mm
19 x 1500 x 10000 mm
25 x 1500 x 10000 mm



➔ REXLINE Black 60 is an excellent rubber lining product well suited for dry wear and impact areas because of its abrasion properties. REXLINE Black 60 is USH Mining Premium lining with CN Bonding, compound widely used in machineries and equipment. Typical applications of Black 60 can be seen in vibratory feeders, chute lining, etc.

Technical Specifications	
Polymer	NR
Specific Gravity	1.12 ± 0.05 g/cm ³
Hardness	60 ± 5 Shore A
Tensile Strength	18.5 MPa
Elongation @ Break	500 %
Abrasion Resistance	90 mm ³
Tear Resistance	60 kg/cm

Available Dimensions
3 x 1500 x 10000 mm
6 x 1500 x 10000 mm
10 x 1500 x 10000 mm
12 x 1500 x 10000 mm
20 x 1500 x 10000 mm
25 x 1500 x 10000 mm

REXLINE IL (INDICATION LAYER)

➔ REXLINE™ Range comes in 40, 50 and 60 Shore hardness. Indication layer means black top and orange indication layer for safety & reliability with good UV light protection. Indication Layer 40, 50 and 60 comes with a specially engineered grey bonding layer for ease of bonding and fast installation.

Type	IL 40	IL 50	IL 60
Polymer	NR	NR	NR
Hardness	40± 5 Shore A	50 ± 5 Shore A	60 ± 5 Shore A
Tensile strength (Min)	18 Mpa	18 MPa	18.5 MPa
Elongation at break (Min)	650%	500%	500%
Specific Gravity	1.08 ± 0.05	1.12 ± 0.05	1.12 ± 0.05
Abrasion Resistance (Max)	125 mm ³	90 mm ³	90 mm ³
Tear resistant Angular (Min)	60 Kg/cm	60 Kg/cm	60 Kg/cm

Available Dimensions	Black Layer Thickness	Orange Layer Thickness	CN layer Thickness
3 x 1500 x 10000 mm	1 mm	1 mm	1 mm
6 x 1500 x 10000 mm	4 mm	1 mm	1 mm
10 x 1500 x 10000 mm	6 mm	3 mm	1 mm
12 x 1500 x 10000 mm	8 mm	3 mm	1 mm
20 x 1500 x 10000 mm	16 mm	3 mm	1 mm



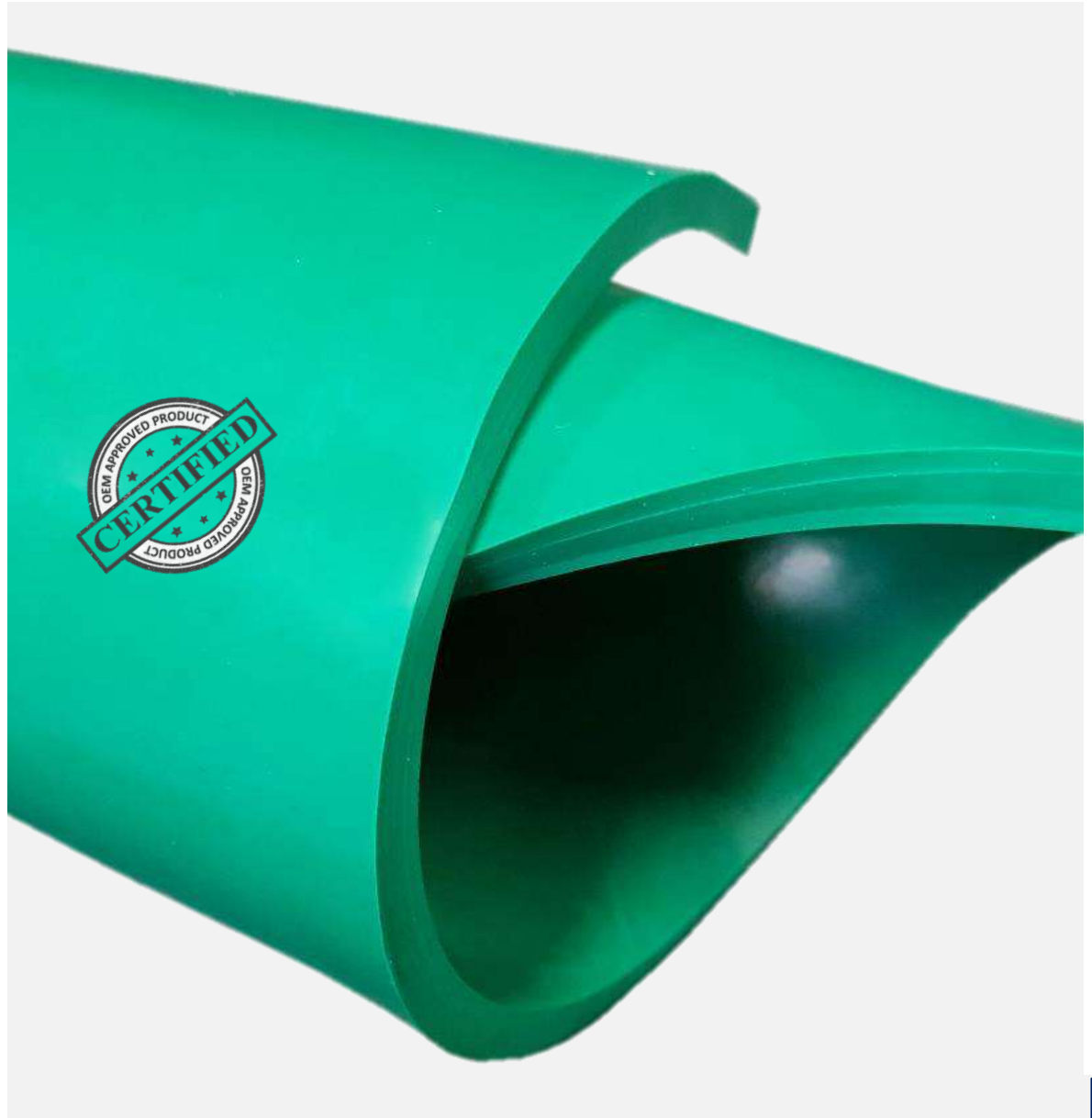
UVR 45 – OZONE RESISTANT

(45±5 Shore A, 22 MPa, 3–20mm Thick, 1500mm Width, 10000mm Length)

UVR 65 – OZONE RESISTANT

(65±5 Shore A, 22 MPa, 3–20mm Thick, 1500mm Width, 10000mm Length)

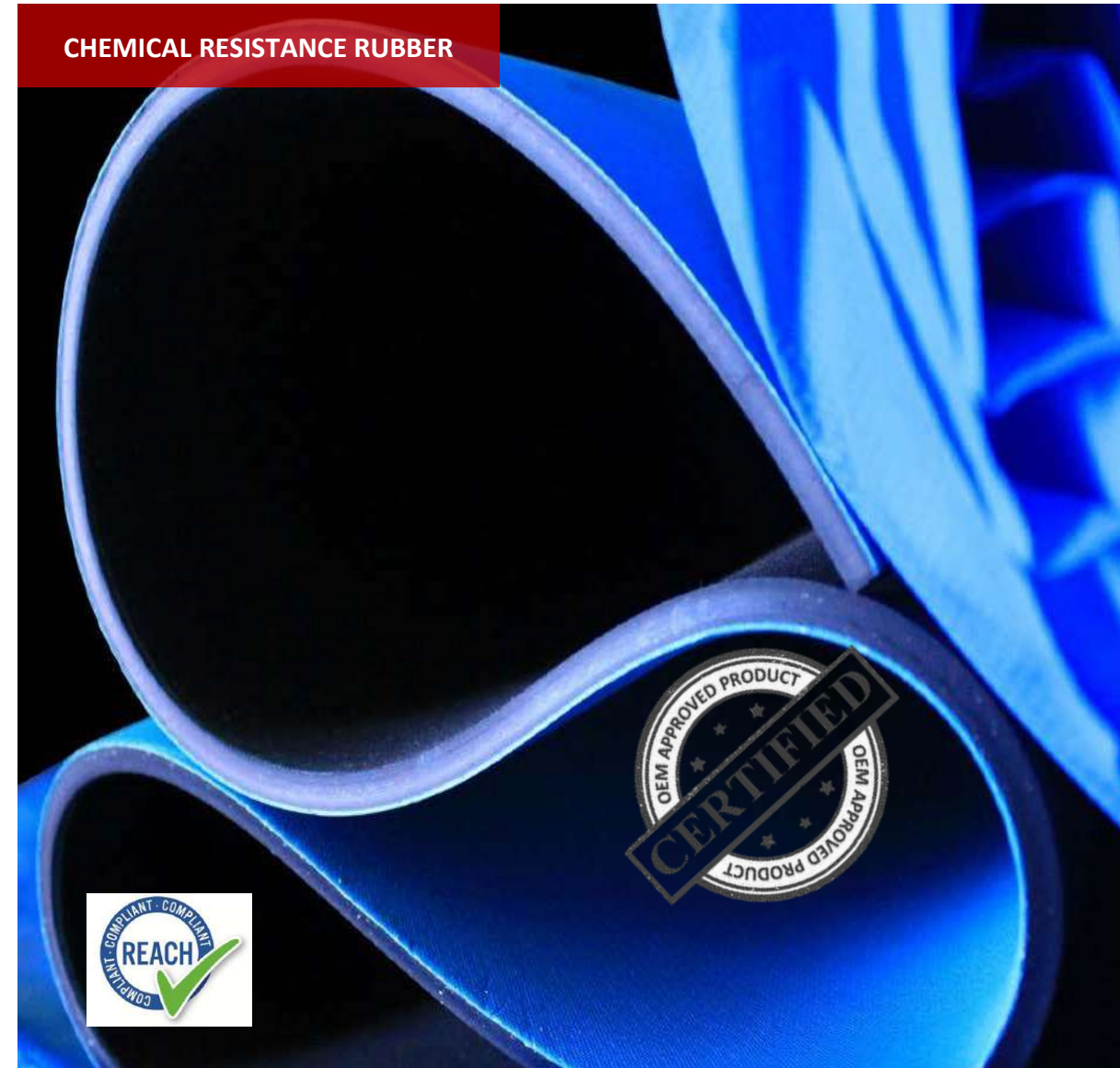
PROPERTIES	REXLINE™ UV 45	REXLINE™ UV 65
Specific gravity	1.08 ± 0.05	1.10 ± 0.05
Hardness	45 ± 5 Sh A	65 ± 5 Sh A
Tensile strength (min)	22 Mpa	22 MPa
Elongation at break (min)	950 %	800 %
Abrasion resistance (max)	100 mm ³	100 mm ³
Tear resistance (Angular) min	60Kg/cm	85 Kg/cm



REXLINE™ BIIR is a black rubber with 50 +/-5 Shore A hardness and with an excellent bonding layer furnished rubber, based on a Butyl (Bromine Isoprene Isobutyl Rubber) compound with outstanding chemical resistance features.

Technical Data	
Polymer	BIIR
Specific Gravity	1.27 ± 0.05 g/cm ³
Hardness	50 ± 5 Shore A
Tensile Strength	4.0 MPa
Elongation @ Break	370 %
Abrasion Resistance	250 mm ³ (@5N)
Tear Resistance	20.5 kg/cm
Resilience	6-10%
Colour	Black

Available Dimensions
3 x 1500 x 10000 mm
4.5 x 1500 x 10000 mm
6 x 1500 x 10000 mm





USH is strategically placed in regions across the globe. We have large warehouses throughout Australia for stocking the belts.

REXLINE PRODUCT RANGE

REXLINE

REXLINE Steel Cord Belts



REXLINE Sidewall Belts



REXLINE Chevron Belts



REXLINE Fabric Belts



REXLINE Bucket Elevator Belts

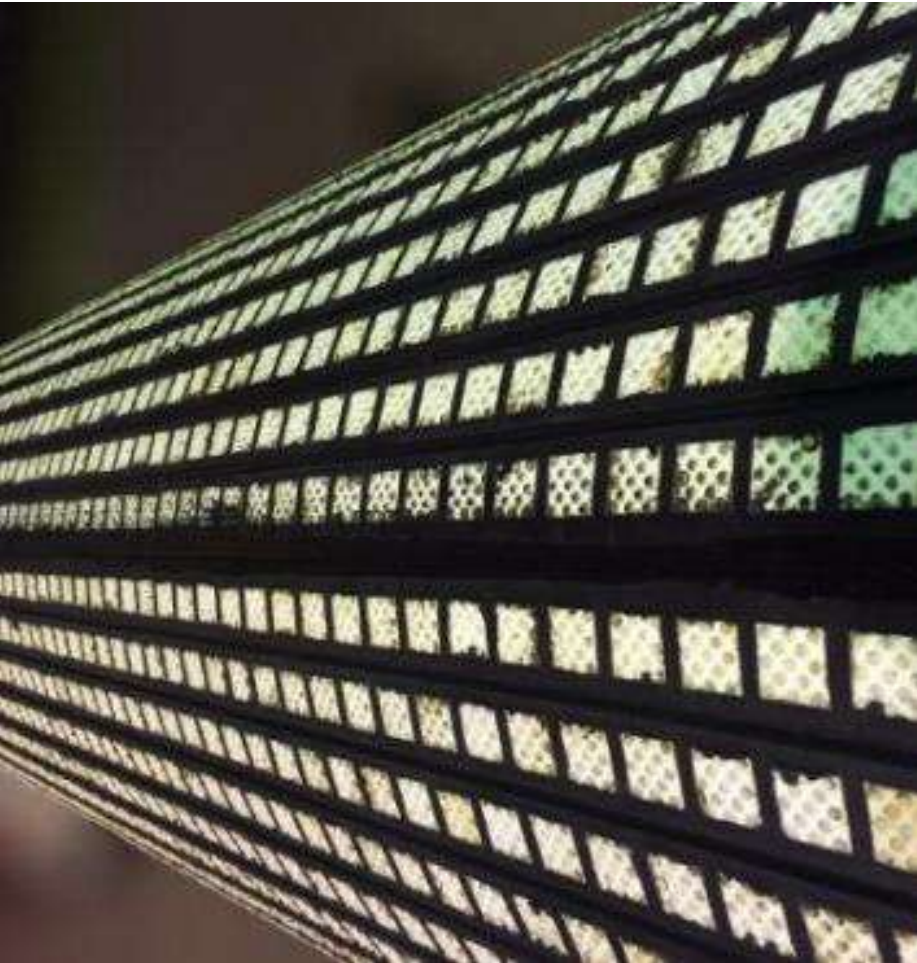


REXLINE Vacuum Filter Belts



REXLINE High Temp Belts

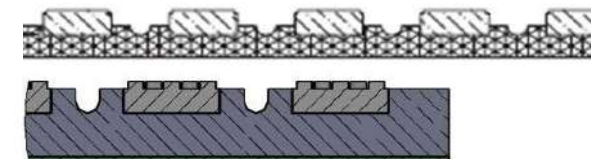




- ✓ Excellent bonding strength from rubber to tiles
- ✓ Very high Bond strength of CN layer. All test results are above 12N/mm (30+ Kg/inch).
- ✓ High Tile quality with specified tile specs
- ✓ Square protrusions in the ends avoids tracking issues.
- ✓ Round knobs are gentle to the belt compared to harsh diamond shaped tiles knobs
- ✓ Radius grooves is an advantage (Allows small Pulley diameter and has a self-cleaning effect)
- ✓ Requires lesser number of sheets cover existing Pulley face width
- ✓ 10m Roll of 500mm width is advantageous, as there is minimal wastage. The sheets available in the market are less than 200mm wide.

Premium Market Product

USH RBC





DIAMOND LAGGING 60 DURO - TECHNICAL SPECIFICATION		
Polymer	NR/BR	
Color	Black with CN bonding layer	
Specific Gravity	1.1	
Hardness	60 +/-5 Shore A	ASTM D2240
Abrasion	90mm ³ (max) @ 10N	ASTM D5963
Tensile Strength	20 MPa (min)	ASTM D412
Elongation @ Break	600%	ASTM D412
Tear Strength	80N/mm (min)	ASTM D624
Temperature Range	-20°C to +70°C	



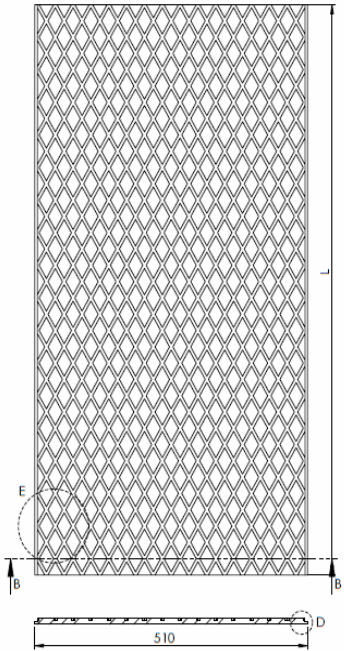
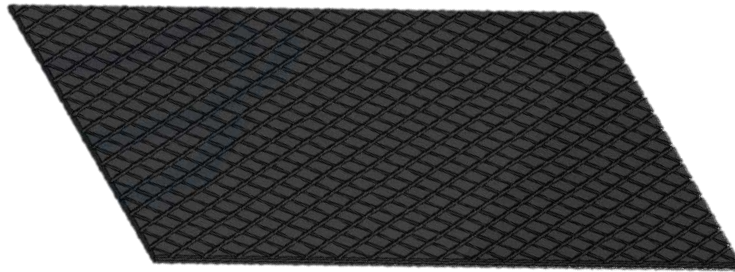
CERAMIC PULLEY LAGGING			
Technical Specification-Ceramic tiles		Technical Specification-Rubber	
Alumina content	≥92%	Polymer	NR/BR
Bulk Density	≥3.63g/cm ³	Specific Gravity	1.13+/- 0.05
Hardness R45N	Minimum 77	Hardness	60+/-5 Shore A
Flexural Strength	Minimum 2,447 Kg/cm ²	Tensile Strength	Minimum 17.5 Mpa
Compressive Strength	Minimum 19,884 Kg/cm ²	Elongation Break	Minimum 450%
		Abrasion	Maximum 140 mm ³
		Temperature Rating	-30°C to +60°C



LARGE DIAMOND GROOVE PATTERN



SMALL DIAMOND GROOVE PATTERN



Diamond Groove Pulley Available Dimensions - Roll Length

20000 x 500 x 10 mm

20000 x 500 x 12 mm

20000 x 500 x 15 mm

REXLINE PULLEY REFURBISHMENT CAPABILITIES

- ✓ State of art facilities to refurbish pulleys both economically & efficiently.
- ✓ Safe, quick and efficient turnaround in Pulley refurbishments and hence minimizing downtimes during shutdowns.
- ✓ We can cater to client requirements to reinstate a pulley to its OEM specification or provide a better solution to increase its service life.
- ✓ Provides a comprehensive report after stripping and assessing the pulley and a quote to repair with a quick turnaround time.



Technical Data

- ✓ EE 200/2 , 2 + 2 mm, 670 mm
- ✓ Capacity to Manufacture 50m to 500m Rolls
- ✓ High quality premium 2 ply rubber

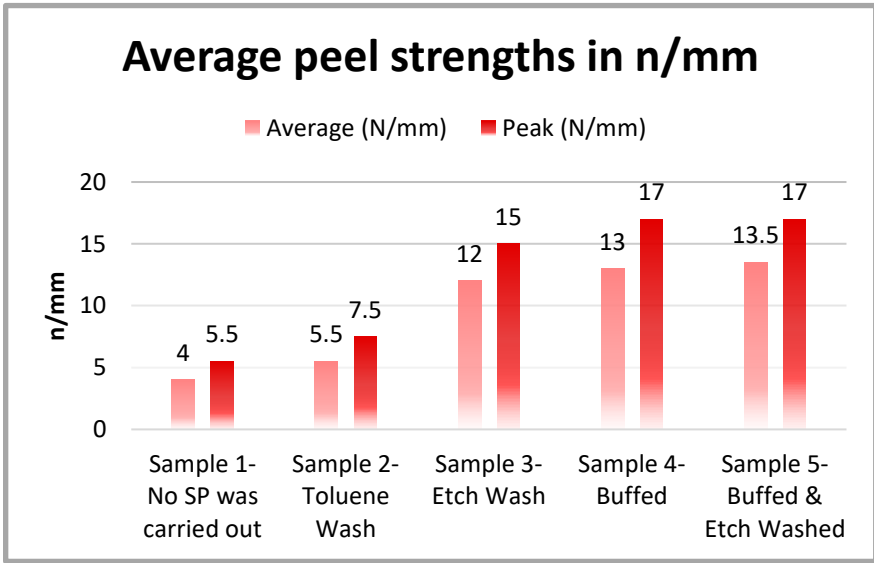
REXMUDGUARD is a premium high quality 2 ply rubber. We manufacture in 50 metre rolls for easy handling on site. We can manufacture rolls sizes of up to 300 metres if required.

REXMUDGUARD Rubber Kits are available in 3 sizes: 2.7m, 3.1m and 4.2m kits. Each kit comprises

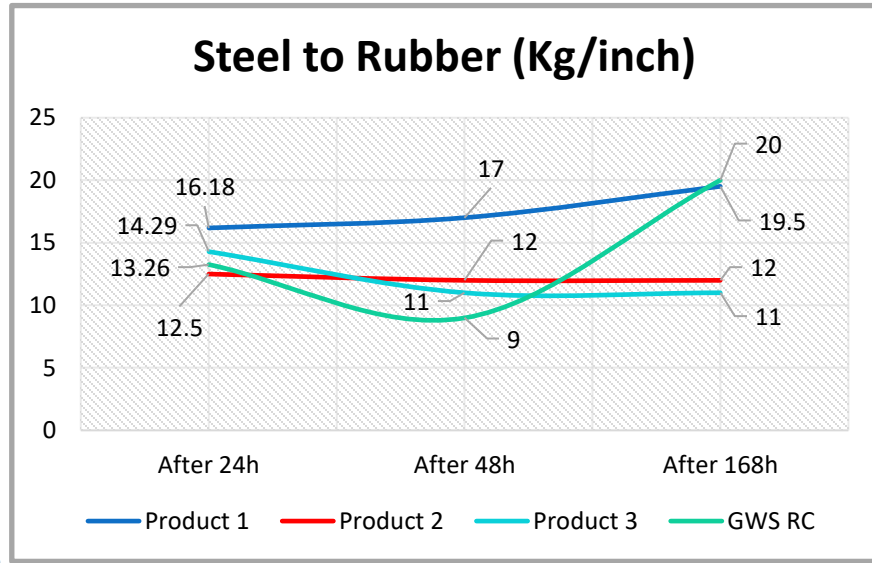
- ✓ 2 x lengths of REXMUDGUARD Premium Rubber
- ✓ Stainless steel springs
- ✓ Clamps and hooks bars.



Bonding strength comparison against different surface preparation



Bonding strength comparison with premium competitors





👉 Lithium Screw feeder improvement (rubber & ceramic lining work)



👉 Schenck Screen Beam Rubber Lining



👉 Hopper and Boil Box Rubber Lining

👉 156 Barrington St. Bibra Lake WA 6163



Scope of Work:

- Asset Condition Assessment
- Engineering Improvement
- Pre-Engineered Products
- Reverse Engineering
- Service life Enhancement
- Rubber Lining Turn Key Projects
- Surface Treatment
- Pulley Manufacturing & Lagging
- Coating & Painting Work
- Belt Splice kit manufacturing
- Supply for Conveyor Belts Project

