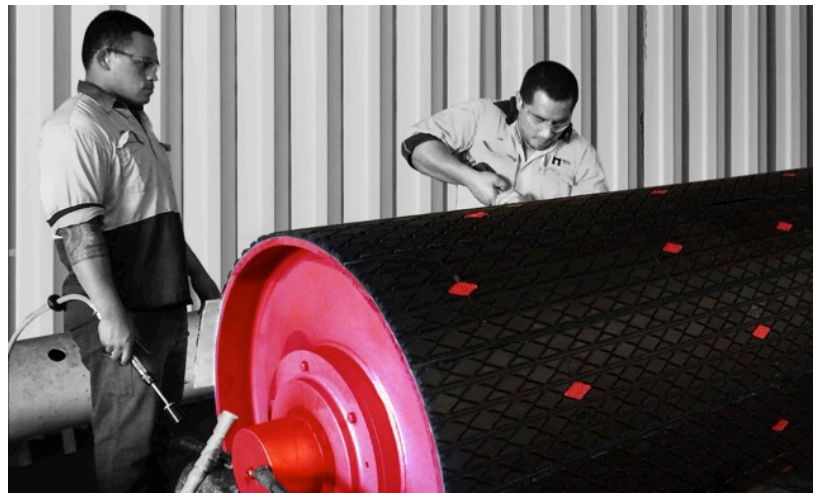


BULK ROLL LAGGING



BULK ROLL LAGGING



DESCRIPTION

Elastotec Bulk Rolls of lagging can be held in stock, and then cut to strip lengths that will suit any pulley face width.

Elastotec Bulk Rolls of Lagging are available in Rubber, Ceramic, and Polyurethane options. These products are available in various profiles, thickness, and compounds, and they are designed to be cut to length to suit any pulley face width. This significantly reduces lead time, as rolls can be held in stock rather than waiting for strip lengths to be manufactured and delivered to suit each pulley.



APPLICATION

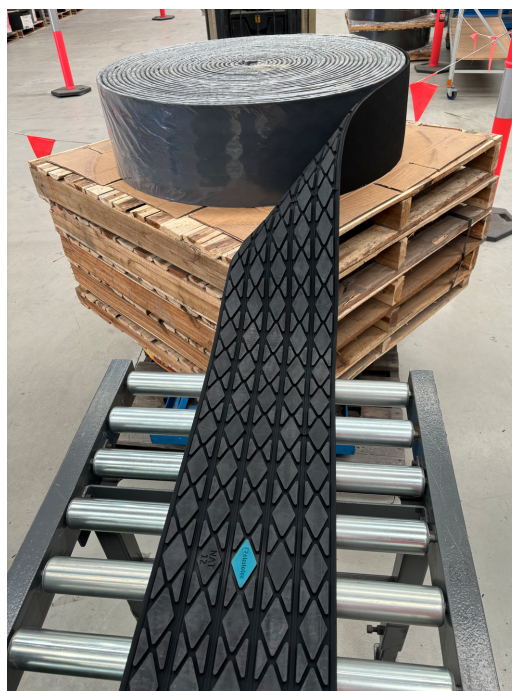
The Elastotec Bulk Roll Lagging products are designed for use in low and medium belt tension applications, and can be applied to conveyor drive, tail, snub, bend or take-up pulleys. All Bulk Roll products are designed for strips to be cut slightly longer than the pulley face width, and then trimmed flush with the edge of the pulley shell during application to improve adhesion and sealing of the pulley shell. All products can be used for conveyor system applications in the mining, quarrying, minerals, metal processing, and agricultural industries.

BULK ROLL LAGGING



KEY FEATURES AND BENEFITS

- ✓ Rolls can be kept in stock, significantly reducing lead time.
- ✓ Strips can be quickly cut to size to suit any pulley face width, with all designs finishing flush with the edge of the pulley after trimming to improve edge sealing.
- ✓ Available in Ceramic, Rubber, and Polyurethane to suit a wide range of applications.
- ✓ Options for various rubber compounds such as NAT/SBR and FRAS/MSHA.
- ✓ All lagging is 250mm wide and comes in various thicknesses for easy application.
- ✓ Can be applied as Cold Bond or Hot Vulcanised.
- ✓ Packaged and supplied on a standard pallet for safe and efficient transport, storage, and handling.



BULK ROLL LAGGING

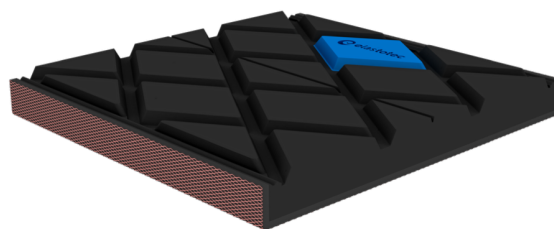
BULK ROLL LAGGING – PRODUCT RANGE

Elastotec Bulk Roll Lagging products are designed to be supplied as a roll, and then cut to into strip lengths to suit any pulley face width. This significantly reduces lead times, and allows for safe and efficient transport, storage, and handling. Options include various designs of Rubber, Ceramic, and Polyurethane lagging to suit a wide range of applications. All products are 250mm wide, and the roll lengths vary depending on the product thickness.

RUBBER DIAMOND



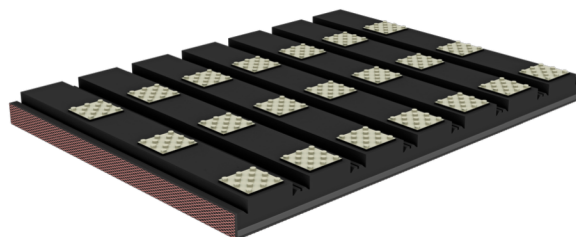
LARGE RUBBER DIAMOND



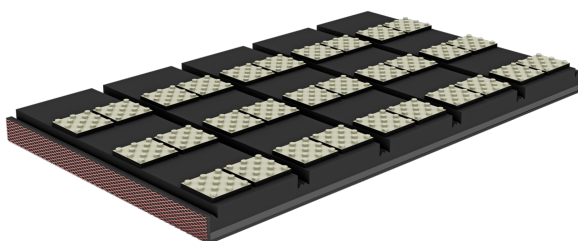
DIAMOND 15% CERAMIC



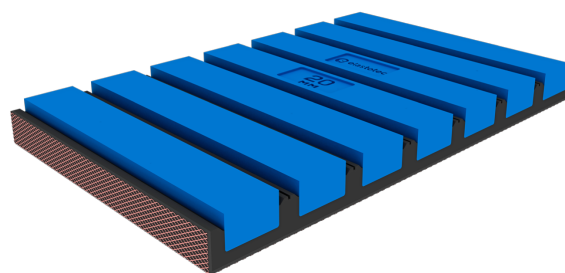
SINGLE ROW 19% CERAMIC



DOUBLE ROW 40% CERAMIC

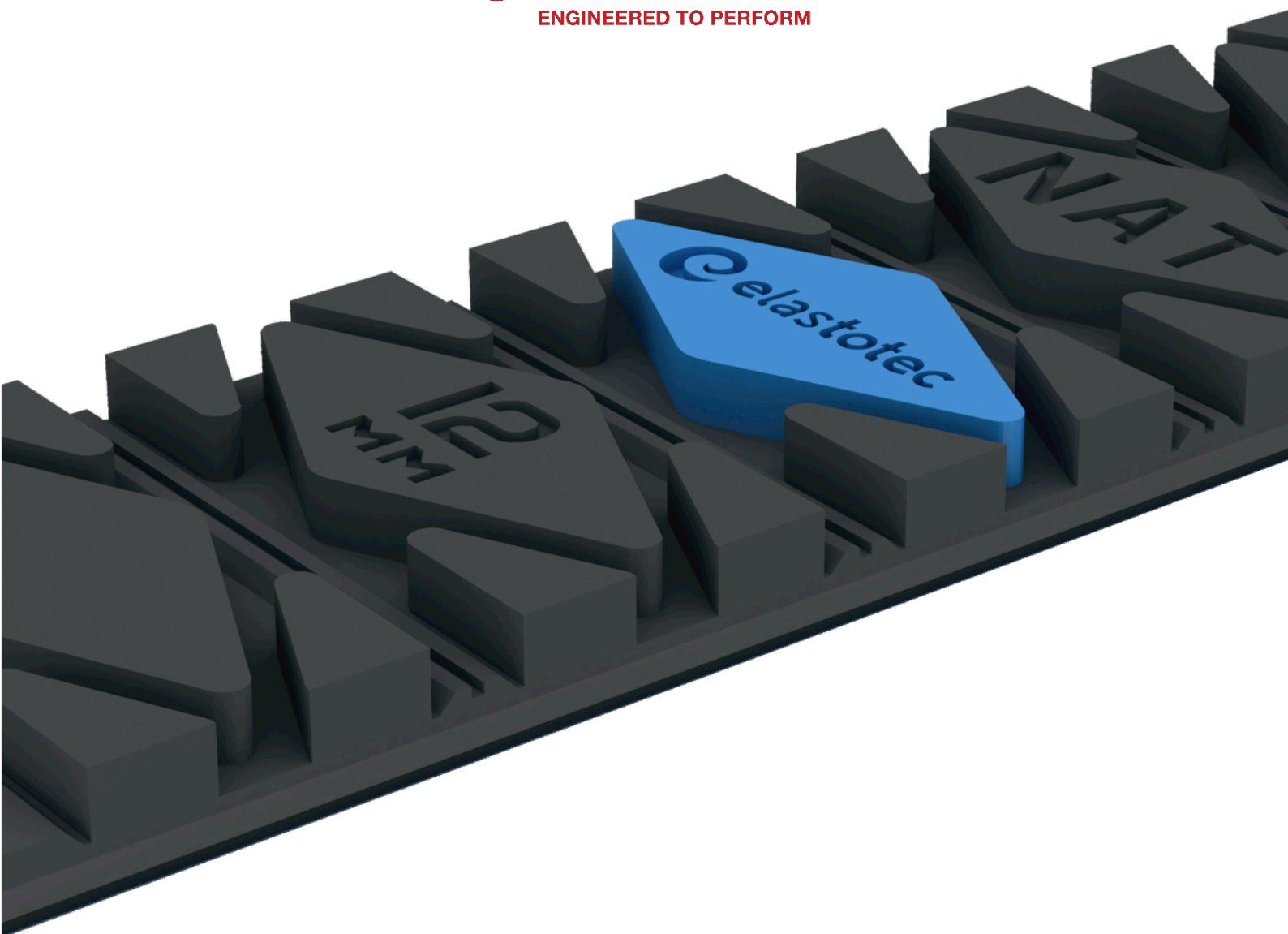


POLYURETHANE



BULK ROLL LAGGING

BULK ROLL DIAMOND RUBBER LAGGING



BULK ROLL LAGGING

BULK ROLL LAGGING – DIAMOND RUBBER



KEY FEATURES AND BENEFITS

- ✓ Abrasion resistant rubber prevents wear on pulley shell and provides a positive drive between pulley and belt.
- ✓ Options for various rubber compounds and thicknesses from 8mm – 25mm.
- ✓ Precision moulded at 250mm wide and supplied as a roll for quick and easy installation.
- ✓ Physical properties remain stable with age and varying operating temperatures.
- ✓ Available for Cold Bond and Hot Vulcanised applications.

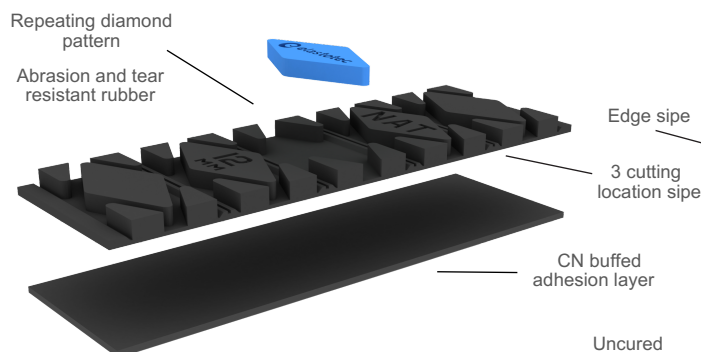


DESIGN

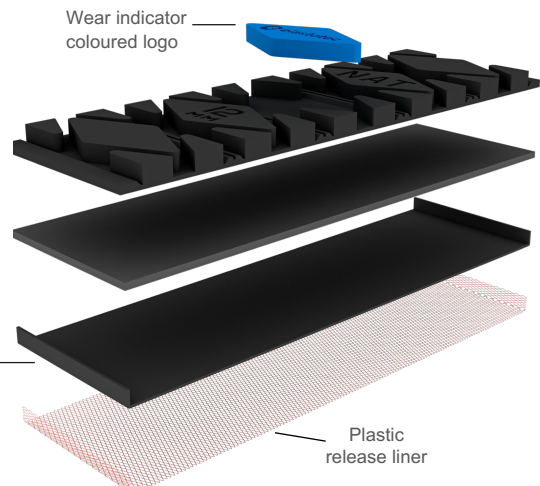
Elastotec Diamond Rubber Lagging can be used on a wide range of low to medium duty pulleys.

Elastotec Diamond Rubber lagging is supplied in long roll lengths that fit on standard sized pallets to eliminate waste, and for cost effective transportation and storage. It can be supplied in thicknesses from 8mm to 25mm.

COLD BONDED



HOT VULCANISED



BULK ROLL LAGGING

RUBBER SPECIFICATIONS

Typical values

	NAT	FRAS
Polymer	SBR	Blend
Tensile strength (MPa) min ISO37	18.0	16.0
% Elongation min ISO37	550%	500%
Hardness (shore A) ISO868	65+/-5	65+/-5
Abrasion resistance max vol. loss ISO 4649 method A (non-rotating)	70mm ³	150mm ³
FRAS - MDG3608 and MSHA Standards	N/A	PASS/ACCEPTED
Heat ageing (Property change after 70°C 168hs)	Tensile strength +1% Elongation -15% Hardness 5 points	Tensile strength +5% Elongation -1% Hardness 3 points
Continuous operating temperature	-40/+70°C	-40/+70°C



BULK ROLL LAGGING

LAGGING SPECIFICATIONS – DIAMOND RUBBER LAGGING

COLD BONDED – NAT DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/1m
Rubber Lagging 8mm	ELA-RL-DIA-N-8	249mm-251mm	8mm-9mm	95m	2.45kg
Rubber Lagging 10mm	ELA-RL-DIA-N-10	249mm-251mm	10mm-11mm	80m	2.78kg
Rubber Lagging 12mm	ELA-RL-DIA-N-12	249mm-251mm	12mm-13mm	65m	3.93kg
Rubber Lagging 15mm	ELA-RL-DIA-N-15	249mm-251mm	15mm-16mm	50m	4.30kg
Rubber Lagging 20mm	ELA-RL-DIA-N-20	249mm-251mm	19mm-20mm	40m	5.70kg
Rubber Lagging 25mm	ELA-RL-DIA-N-25	249mm-251mm	25mm-26mm	30m	7.10kg

COLD BONDED – FRAS DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/1m
Rubber Lagging 8mm	ELA-RL-DIA-F-8	249mm-251mm	8mm-9mm	95m	2.66kg
Rubber Lagging 10mm	ELA-RL-DIA-F-10	249mm-251mm	10mm-11mm	80m	2.98kg
Rubber Lagging 12mm	ELA-RL-DIA-F-12	249mm-251mm	12mm-13mm	65m	4.13kg
Rubber Lagging 15mm	ELA-RL-DIA-F-15	249mm-251mm	15mm-16mm	50m	4.50kg
Rubber Lagging 20mm	ELA-RL-DIA-F-20	249mm-251mm	19mm-20mm	40m	5.90kg
Rubber Lagging 25mm	ELA-RL-DIA-F-25	249mm-251mm	25mm-26mm	30m	7.30kg

Thickness variation (all strips/pulley) +/-0.5mm.

Rubber Lagging with thickness >15mm only recommended for pulleys with diameters over 400mm.



BULK ROLL LAGGING

LAGGING SPECIFICATIONS – DIAMOND RUBBER LAGGING

HOT VULCANISED – NAT DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Rubber Lagging 8mm	ELA-RL-DIA-N-8V	249mm-251mm	9.2mm-10.6mm	9.7m	2.70kg
Rubber Lagging 10mm	ELA-RL-DIA-N-10V	249mm-251mm	11.2mm-12.6mm	9.7m	3.00kg
Rubber Lagging 12mm	ELA-RL-DIA-N-12V	249mm-251mm	13.2mm-14.6mm	9.7m	4.15kg
Rubber Lagging 15mm	ELA-RL-DIA-N-15V	249mm-251mm	16.2mm-17.6mm	9.7m	4.52kg
Rubber Lagging 20mm	ELA-RL-DIA-N-20V	249mm-251mm	20.2mm-21.6mm	9.7m	5.92kg
Rubber Lagging 25mm	ELA-RL-DIA-N-25V	249mm-251mm	26.2mm-27.6mm	9.7m	7.32kg

HOT VULCANISED – FRAS DIMENSIONS

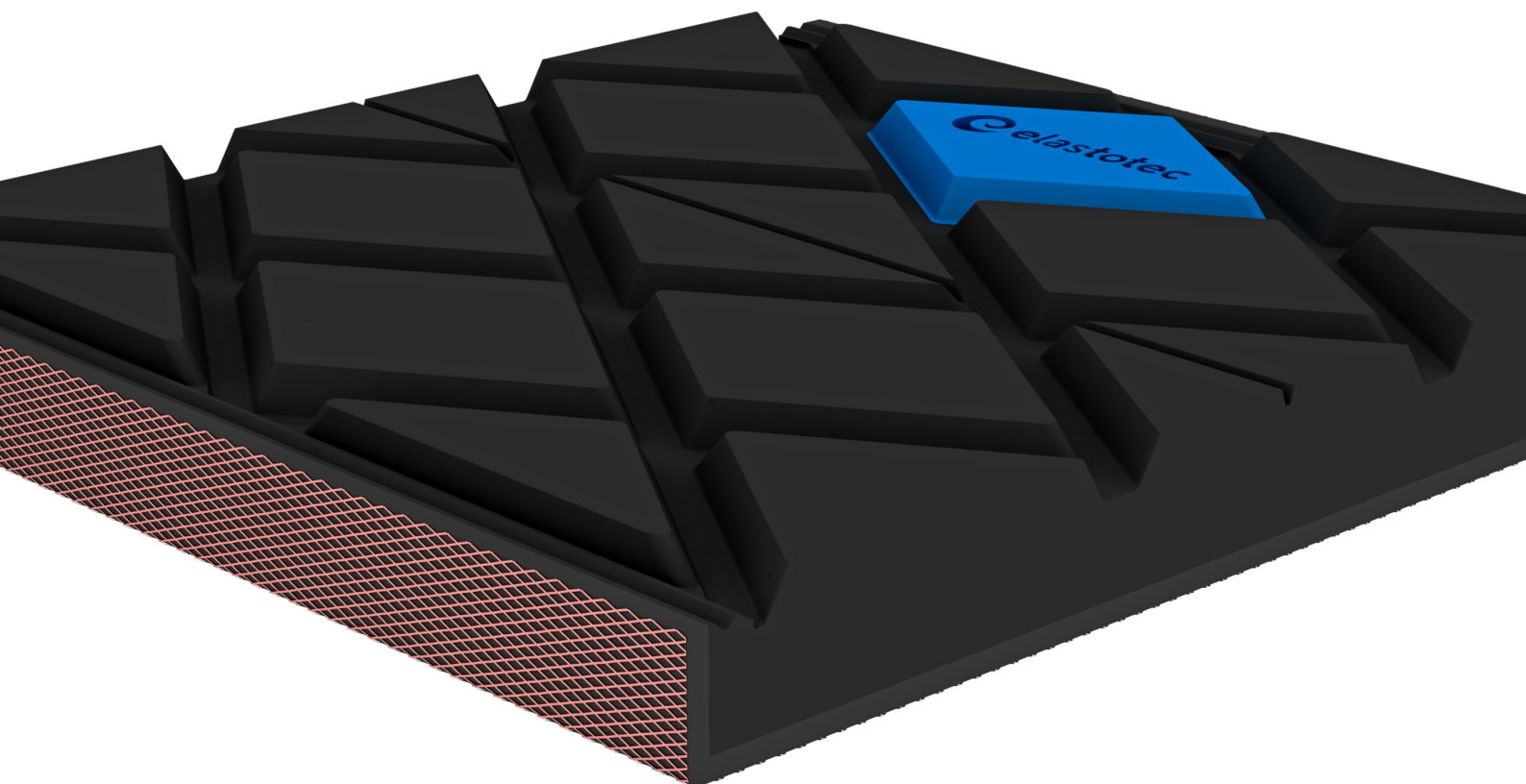
PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Rubber Lagging 8mm	ELA-RL-DIA-F-8V	249mm-251mm	9.2mm-10.6mm	9.7m	2.95kg
Rubber Lagging 10mm	ELA-RL-DIA-F-10V	249mm-251mm	11.2mm-12.6mm	9.7m	3.25kg
Rubber Lagging 12mm	ELA-RL-DIA-F-12V	249mm-251mm	13.2mm-14.6mm	9.7m	4.40kg
Rubber Lagging 15mm	ELA-RL-DIA-F-15V	249mm-251mm	16.2mm-17.6mm	9.7m	4.80kg
Rubber Lagging 20mm	ELA-RL-DIA-F-20V	249mm-251mm	20.2mm-21.6mm	9.7m	6.10kg
Rubber Lagging 25mm	ELA-RL-DIA-F-25V	249mm-251mm	26.2mm-27.6mm	9.7m	7.55kg

Thickness variation (all strips/pulley) +/-0.5mm.

Rubber Lagging with thickness >15mm only recommended for pulleys with diameters over 400mm.

BULK ROLL LAGGING

BULK ROLL LARGE DIAMOND RUBBER LAGGING



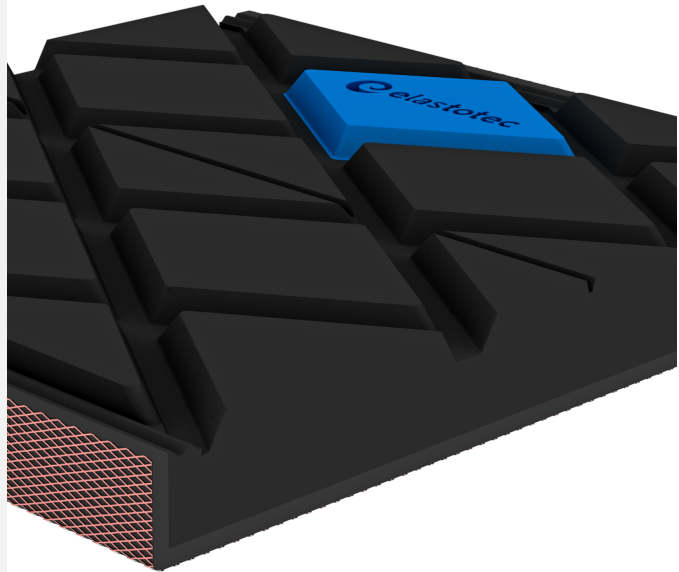
BULK ROLL LAGGING

BULK ROLL LAGGING – LARGE RUBBER DIAMOND



KEY FEATURES AND BENEFITS

- ✓ Abrasion resistant rubber prevents wear on pulley shell and provides a positive drive between pulley and belt.
- ✓ Large diamond profile has a high surface contact area for greater traction, and to evenly distribute fatigue stresses.
- ✓ Options for various rubber compounds such as NAT/SBR and FRAS/MSHA, and thicknesses from 12mm – 25mm.
- ✓ Precision moulded at 250mm wide and supplied as custom length strips or as a bulk roll for quick and easy installation.
- ✓ Physical properties remain stable with age and varying operating temperatures.
- ✓ Available for Cold Bond and Hot Vulcanised applications.

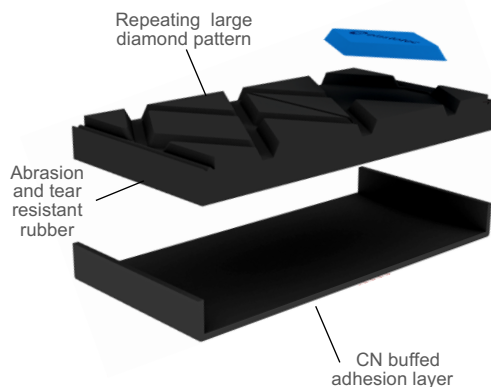


DESIGN

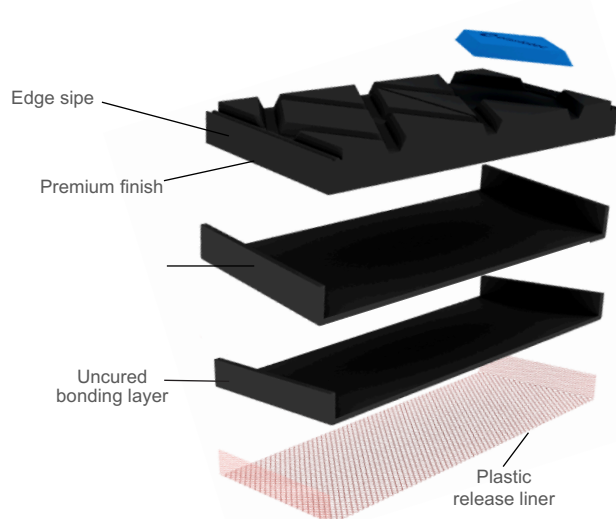
Elastotec Large Diamond Rubber Lagging is versatile, and can be used on a wide range of low to medium duty pulleys.

Large Diamond Rubber Lagging provides a high surface contact area to increase friction, and to distribute fatigue stresses more evenly. Deep grooves give the diamonds flexibility, and act as dewatering channels. It can be supplied in thicknesses from 12mm to 25mm.

COLD BONDED



HOT VULCANISED



BULK ROLL LAGGING

RUBBER SPECIFICATIONS

Typical values

	NAT	FRAS
Polymer	SBR	Blend
Tensile strength (MPa) min ISO37	18.0	16.0
% Elongation min ISO37	550%	500%
Hardness (shore A) ISO868	65+/-5	65+/-5
Abrasion resistance max vol. loss ISO 4649 method A (non-rotating)	70mm ³	150mm ³
FRAS - MDG3608 and MSHA Standards	N/A	PASS/ACCEPTED
Heat ageing (Property change after 70°C 168hs)	Tensile strength +1% Elongation -15% Hardness 5 points	Tensile strength +5% Elongation -1% Hardness 3 points
Continuous operating temperature	-40/+70°C	-40/+70°C



BULK ROLL LAGGING

LAGGING SPECIFICATIONS – LARGE DIAMOND RUBBER LAGGING

COLD BONDED – NAT

DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Rubber Lagging 12mm	ELA-RL-XT-N-12	249mm-251mm	12mm-13mm	65m	3.95kg
Rubber Lagging 15mm	ELA-RL-XT-N-15	249mm-251mm	14.5mm-15.5mm	50m	4.48kg
Rubber Lagging 20mm	ELA-RL-XT-N-20	249mm-251mm	20mm-21mm	40m	5.67kg
Rubber Lagging 25mm	ELA-RL-XT-N-25	249mm-251mm	24.5mm-25.5mm	30m	6.42kg

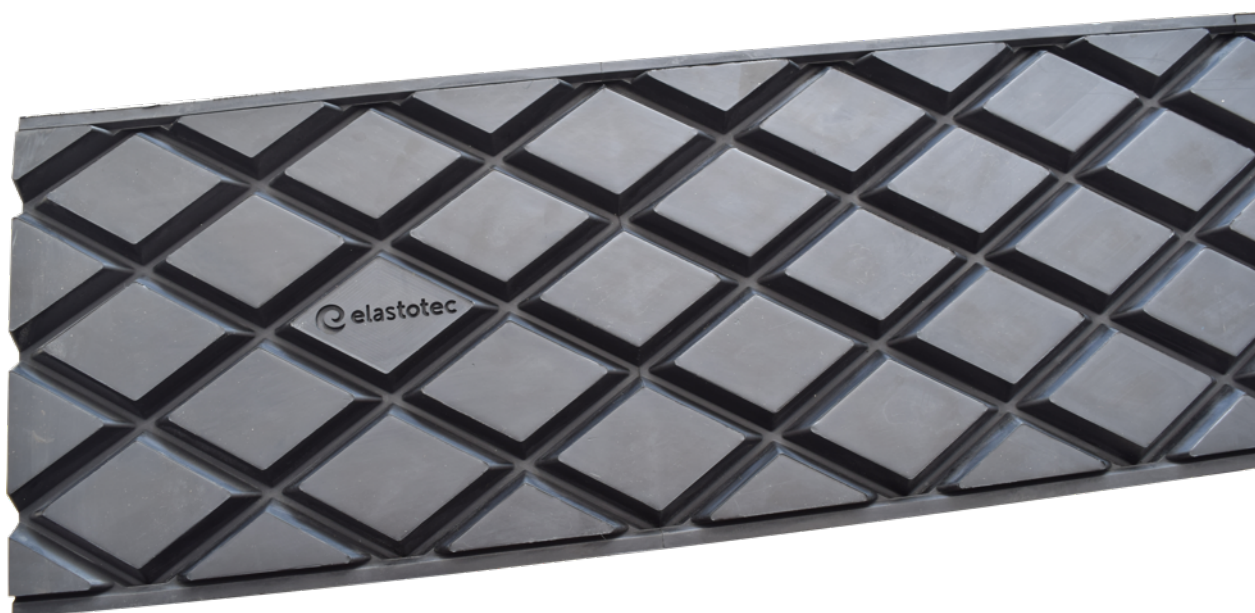
COLD BONDED – FRAS

DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Rubber Lagging 12mm	ELA-RL-XT-F-12	249mm-251mm	12mm-13mm	65m	4.13kg
Rubber Lagging 15mm	ELA-RL-XT-F-15	249mm-251mm	14.5mm-15.5mm	50m	4.80kg
Rubber Lagging 20mm	ELA-RL-XT-F-20	249mm-251mm	20mm-21mm	40m	5.90kg
Rubber Lagging 25mm	ELA-RL-XT-F-25	249mm-251mm	24.5mm-25.5mm	30m	6.82kg

Thickness variation (all strips/pulley) +/-0.5mm.

Rubber Lagging with thickness >15mm only recommended for pulleys with diameters over 400mm



BULK ROLL LAGGING

LAGGING SPECIFICATIONS – LARGE DIAMOND RUBBER LAGGING

HOT VULCANISED – NAT DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Rubber Lagging 12mm	ELA-RL-XT-N-12V	249mm-251mm	12mm-13mm	9.7m	4.25kg
Rubber Lagging 15mm	ELA-RL-XT-N-15V	249mm-251mm	15.7mm-17.1mm	9.7m	4.78kg
Rubber Lagging 20mm	ELA-RL-XT-N-20V	249mm-251mm	21.2mm-22.6mm	9.7m	5.97kg
Rubber Lagging 25mm	ELA-RL-XT-N-25V	249mm-251mm	25.7mm-27.1mm	9.7m	6.72kg

HOT VULCANISED – FRAS DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Rubber Lagging 12mm	ELA-RL-XT-F-12V	249mm-251mm	12mm-13mm	9.7m	4.43kg
Rubber Lagging 15mm	ELA-RL-XT-F-15V	249mm-251mm	15.7mm-17.1mm	9.7m	5.10kg
Rubber Lagging 20mm	ELA-RL-XT-F-20V	249mm-251mm	21.2mm-22.6mm	9.7m	6.20kg
Rubber Lagging 25mm	ELA-RL-XT-F-25V	249mm-251mm	25.7mm-27.1mm	9.7m	7.12kg

Thickness variation (all strips/pulley) +/-0.5mm.

Rubber Lagging with thickness >15mm only recommended for pulleys with diameters over 400mm.



BULK ROLL LAGGING

BULK ROLL DIAMOND 15% CERAMIC LAGGING



BULK ROLL LAGGING

BULK ROLL LAGGING - DIAMOND 15% CERAMIC



KEY FEATURES AND BENEFITS

- ✓ Increased grip and traction for applications where Rubber Lagging is experiencing slippage.
- ✓ Options for various rubber compounds and thicknesses from 12mm – 25mm.
- ✓ Precision moulded at 250mm wide and supplied as a roll for quick and easy installation.
- ✓ Physical properties remain stable with age and varying operating temperatures.
- ✓ No tile debonding from rubber backing.
- ✓ Available for Cold Bond and Hot Vulcanised applications.

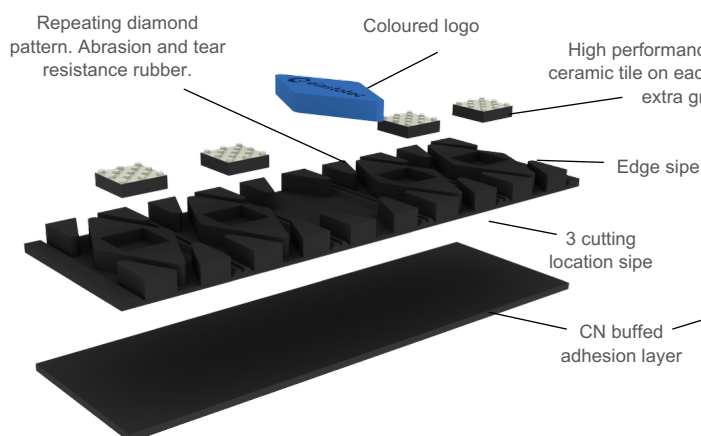


DESIGN

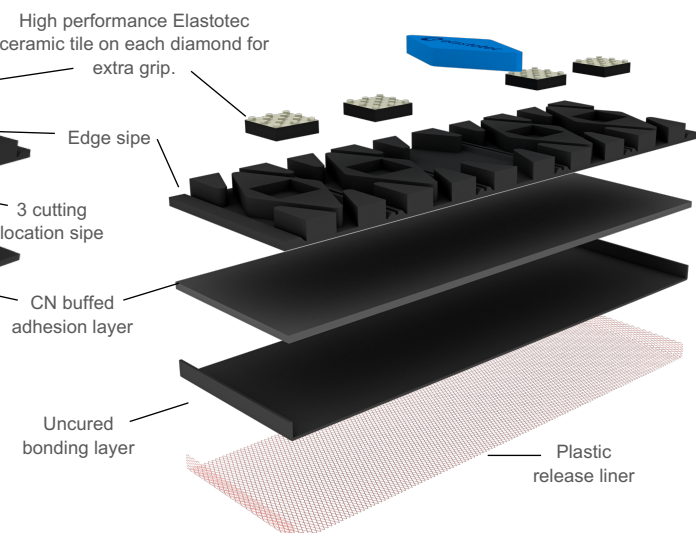
Elastotec Diamond 15% Ceramic Lagging delivers improved friction and increased wear protection.

Ceramic tiles are molded into the full diamond pattern which provides 15% ceramic coverage. This delivers increased traction when compared to Rubber Diamond Lagging which can reduce slip, and extend the life of the lagging.

COLD BONDED



HOT VULCANISED



BULK ROLL LAGGING

RUBBER SPECIFICATIONS

Typical values

	NAT	FRAS
Polymer	SBR	Blend
Tensile strength (MPa) min ISO37	18.0	16.0
% Elongation min ISO37	550%	500%
Hardness (shore A) ISO868	65+/-5	65+/-5
Abrasion resistance max vol. loss ISO 4649 method A (non-rotating)	70mm ³	150mm ³
FRAS - MDG3608 and MSHA Standards	N/A	PASS/ACCEPTED
Heat ageing (Property change after 70°C 168hs)	Tensile strength +1% Elongation -15% Hardness 5 points	Tensile strength +5% Elongation -1% Hardness 3 points
Continuous operating temperature	-40/+70°C	-40/+70°C

CERAMIC SPECIFICATIONS

Typical values

Aluminium oxide	96%
Specific gravity g/cm ³	3.7
Vickers hardness HV (10)	1000 plus
Flexural strength (Mpa)	300
Compressive strength (Mpa)	1800
Fracture Toughness (Mpa m ^{1/2})	3.5



BULK ROLL LAGGING

LAGGING SPECIFICATIONS – DIAMOND 15% CERAMIC LAGGING

COLD BONDED – NAT DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Diamond Ceramic Lagging 12mm	ELA-DIA15-N-12K	250mm-252mm	12mm-13mm	60.0m	4.35kg
Diamond Ceramic Lagging 15mm	ELA-DIA15-N-15K	250mm-252mm	15mm-16mm	48.5m	5.43kg
Diamond Ceramic Lagging 20mm	ELA-DIA15-N-20K	250mm-252mm	20mm-21mm	38.8m	7.25kg

COLD BONDED – FRAS DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Diamond Ceramic Lagging 12mm	ELA-DIA15-F-12K	250mm-252mm	12mm-13mm	60.0m	4.50kg
Diamond Ceramic Lagging 15mm	ELA-DIA15-F-15K	250mm-252mm	15mm-16mm	48.5m	6.63kg
Diamond Ceramic Lagging 20mm	ELA-DIA15-F-20K	250mm-252mm	20mm-21mm	38.8m	7.50

HOT VULCANISED – NAT DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Diamond Ceramic Lagging 12mm	ELA-DIA15-N-12KV	251mm-255mm	13.2mm-14.6mm	9.7m	5.40kg
Diamond Ceramic Lagging 15mm	ELA-DIA15-N-15KV	251mm-255mm	16.2mm-17.6mm	9.7m	6.50kg
Diamond Ceramic Lagging 20mm	ELA-DIA15-N-20KV	251mm-255mm	21.2mm-22.6mm	9.7m	8.32kg

HOT VULCANISED – FRAS DIMENSIONS

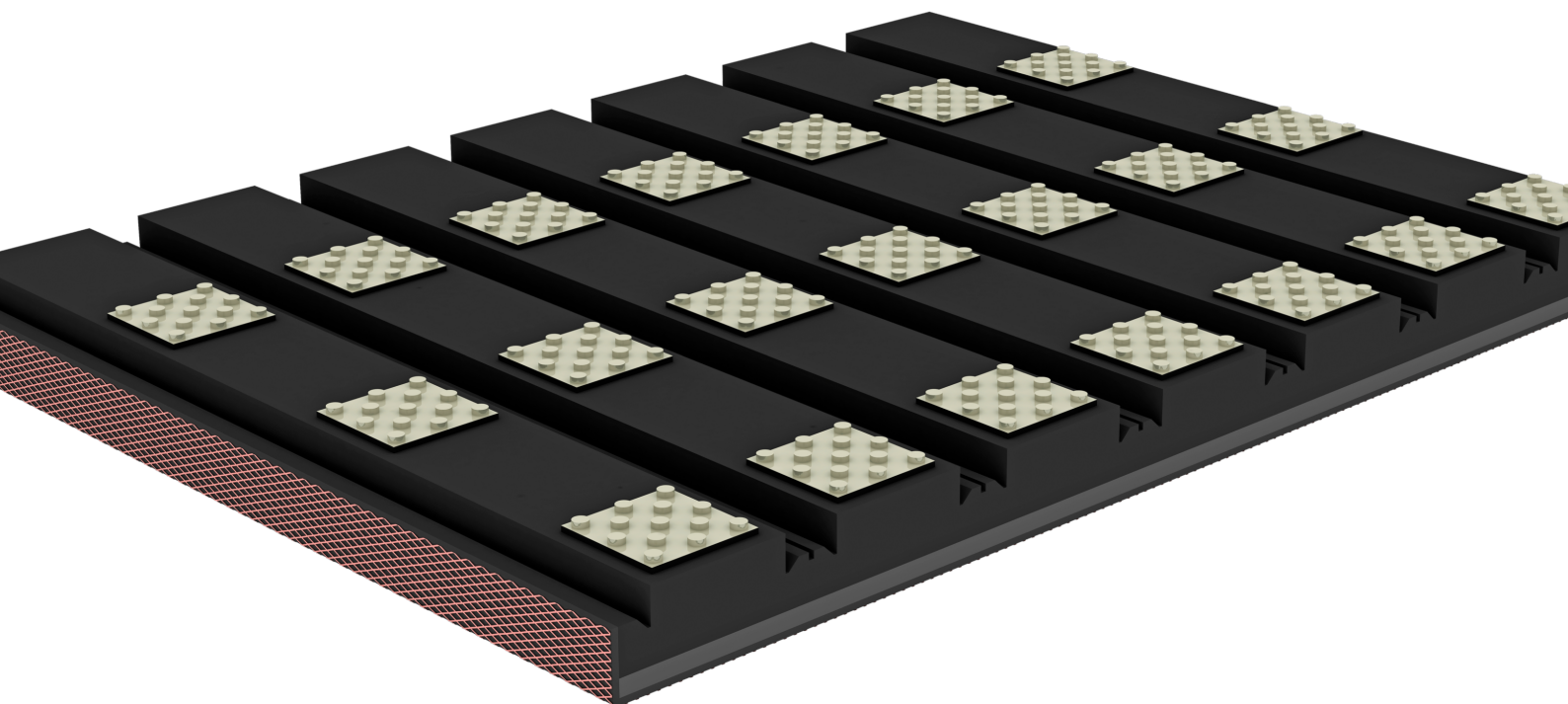
PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Diamond Ceramic Lagging 12mm	ELA-DIA15-F-12KV	251mm-255mm	13.2mm-14.6mm	9.7m	5.80kg
Diamond Ceramic Lagging 15mm	ELA-DIA15-F-15KV	251mm-255mm	16.2mm-17.6mm	9.7m	6.93kg
Diamond Ceramic Lagging 20mm	ELA-DIA15-F-20KV	251mm-255mm	21.2mm-22.6mm	9.7m	8.80kg

Thickness variation (all strips/pulley) +/-0.5mm.

Ceramic Lagging with thickness >15mm only recommended for pulleys with diameters over 600mm.

BULK ROLL LAGGING

BULK ROLL SINGLE ROW 19% CERAMIC LAGGING



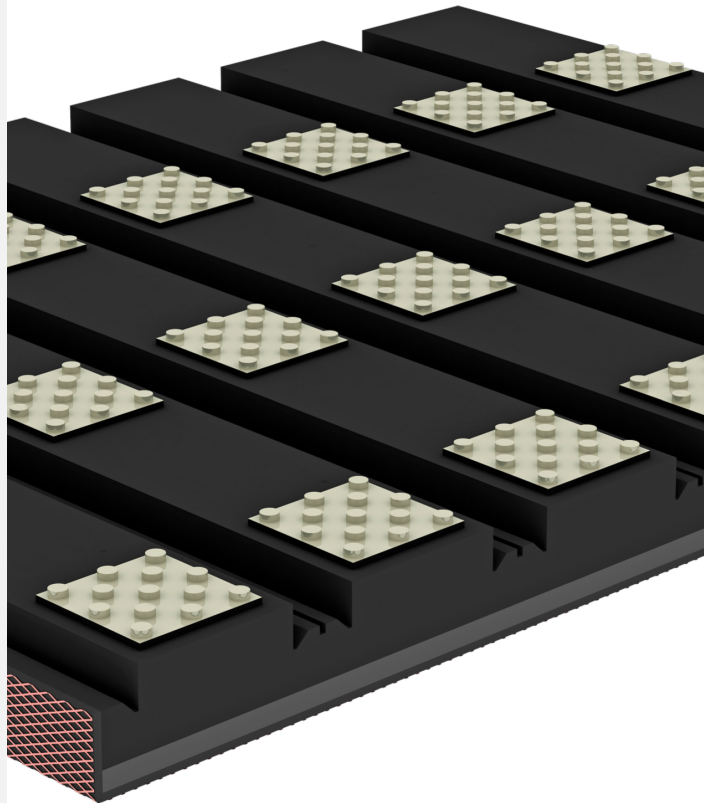
BULK ROLL LAGGING

BULK ROLL LAGGING – SINGLE ROW 19% CERAMIC

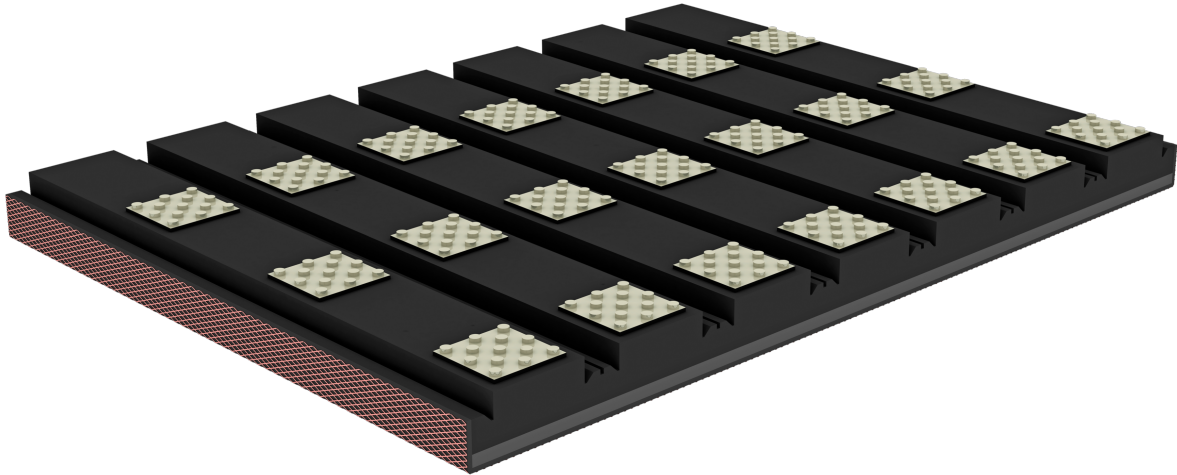


KEY FEATURES AND BENEFITS

- ✓ Increased grip and traction for applications where Rubber Lagging is experiencing slippage.
- ✓ Options for various rubber compounds and thicknesses from 12mm - 20mm.
- ✓ Precision moulded at 250mm wide and supplied as a roll for quick and easy installation.
- ✓ Physical properties remain stable with age and varying operating temperatures.
- ✓ No tile debonding from rubber backing, and available in both Dimpled tiles for Drive pulleys, or Plain tiles for Non-Drive pulleys.
- ✓ 19% Ceramic coverage design allows for strips to be cut to length to suit any pulley face width, without cutting through tiles.
- ✓ Available for Cold Bond and Hot Vulcanised applications.



BULK ROLL LAGGING



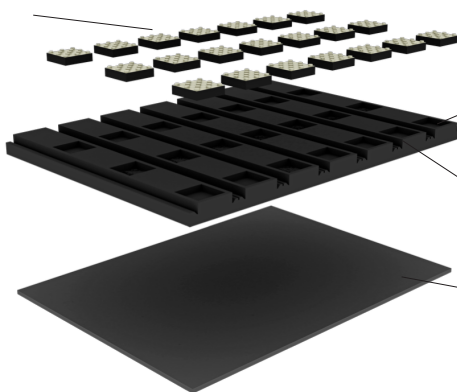
DESIGN

Elastotec Single Row 19% Ceramic Lagging is designed to improve friction, and fit any pulley face width without cutting through tiles.

Ceramic coverage of 19% improves friction and wear resistance in light duty applications. The rubber spacing between each tile allows for strips to be cut to suit any pulley face width, and the lagging will go all the way to the edge of the pulley shell to improve adhesion and edge sealing.

COLD BONDED

High performance
Elastotec ceramic tiles



Elastotec 100%
rubber tear
bonding system

Edge sipe

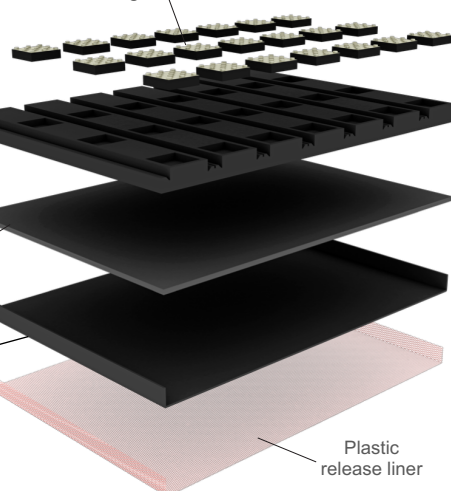
3 cutting
location sipe

CN buffed
adhesion
layer

Uncured
bonding layer

HOT VULCANISED

Ceramic proven
tile design



Plastic
release liner

BULK ROLL LAGGING

RUBBER SPECIFICATIONS

Typical values

	NAT	FRAS
Polymer	SBR	Blend
Tensile strength (MPa) min ISO37	18.0	16.0
% Elongation min ISO37	550%	500%
Hardness (shore A) ISO868	65+/-5	65+/-5
Abrasion resistance max vol. loss ISO 4649 method A (non-rotating)	70mm ³	150mm ³
FRAS - MDG3608 and MSHA Standards	N/A	PASS/ACCEPTED
Heat ageing (Property change after 70°C 168hs)	Tensile strength +1% Elongation -15% Hardness 5 points	Tensile strength +5% Elongation -1% Hardness 3 points
Continuous operating temperature	-40/+70°C	-40/+70°C

CERAMIC SPECIFICATIONS

Typical values

Aluminium oxide	96%
Specific gravity g/cm ³	3.7
Vickers hardness HV (10)	1000 plus
Flexural strength (Mpa)	300
Compressive strength (Mpa)	1800
Fracture Toughness (Mpa m ^{1/2})	3.5



BULK ROLL LAGGING

LAGGING SPECIFICATIONS – SINGLE ROW 19% CERAMIC LAGGING

COLD BONDED – NAT

DIMENSIONS DIMPLE TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-SRC19-N-12K	250mm-252mm	12mm-13mm	58.2m	4.19kg
Ceramic Lagging 15mm	ELA-SRC19-N-15K	250mm-252mm	15mm-16mm	48.5m	4.84kg
Ceramic Lagging 20mm	ELA-SRC19-N-20K	250mm-252mm	20mm-21mm	38.8m	5.23kg

DIMENSIONS PLAIN TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-SRC19-N-12P	250mm-252mm	12mm-13mm	58.2m	4.39kg
Ceramic Lagging 15mm	ELA-SRC19-N-15P	250mm-252mm	15mm-16mm	48.5m	5.04kg
Ceramic Lagging 20mm	ELA-SRC19-N-20P	250mm-252mm	20mm-21mm	38.8m	5.43kg

COLD BONDED – FRAS

DIMENSIONS DIMPLE TILES

PRODUCT	CODE	WIDTH	THICK-NESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-SRC19-F-12K	250mm-252mm	12mm-13mm	58.2m	4.49kg
Ceramic Lagging 15mm	ELA-SRC19-F-15K	250mm-252mm	15mm-16mm	48.5m	4.79kg
Ceramic Lagging 20mm	ELA-SRC19-F-20K	250mm-252mm	20mm-21mm	38.8m	5.59kg

DIMENSIONS PLAIN TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-SRC19-F-12P	250mm-252mm	12mm-13mm	58.2m	4.69kg
Ceramic Lagging 15mm	ELA-SRC19-F-15P	250mm-252mm	15mm-16mm	48.5m	4.99kg
Ceramic Lagging 20mm	ELA-SRC19-F-20P	250mm-252mm	20mm-21mm	38.8m	5.79kg

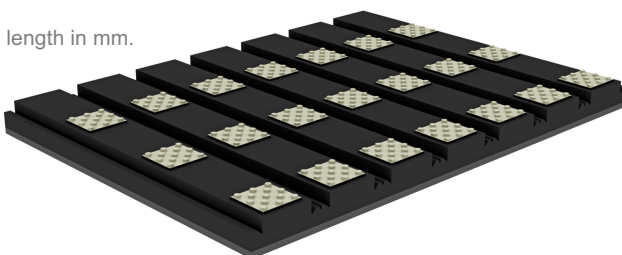
Product code for different lengths: Add 5-digit number to indicating length in mm.

Example

Roll: 12mm 58.2 m roll product code: ELA-SRC19-N-12K-58200

Thickness variation (all strips/pulley) +/-0.5mm

Ceramic Lagging with thickness >15mm only recommended for pulleys with diameters over 600mm.



BULK ROLL LAGGING

LAGGING SPECIFICATIONS – SINGLE ROW 19% CERAMIC LAGGING

HOT VULCANISED – NAT

DIMENSIONS DIMPLE TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-SRC19-N-12KV	251mm-255mm	13.2mm-14.6mm	9.7m	4.70kg
Ceramic Lagging 15mm	ELA-SRC19-N-15KV	251mm-255mm	16.2mm-17.6mm	9.7m	5.35kg
Ceramic Lagging 20mm	ELA-SRC19-N-20KV	251mm-255mm	21.2mm-22.6mm	9.7m	5.74kg

DIMENSIONS PLAIN TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-SRC19-N-12PV	251mm-255mm	13.2mm-14.6mm	9.7m	4.90kg
Ceramic Lagging 15mm	ELA-SRC19-N-15PV	251mm-255mm	16.2mm-17.6mm	9.7m	5.55kg
Ceramic Lagging 20mm	ELA-SRC19-N-20PV	251mm-255mm	21.2mm-22.6mm	9.7m	5.94kg

HOT VULCANISED – FRAS

DIMENSIONS DIMPLE TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-SRC19-F-12KV	251mm-255mm	13.2mm-14.6mm	9.7m	5.05kg
Ceramic Lagging 15mm	ELA-SRC19-F-15KV	251mm-255mm	16.2mm-17.6mm	9.7m	5.70kg
Ceramic Lagging 20mm	ELA-SRC19-F-20KV	251mm-255mm	21.2mm-22.6mm	9.7m	6.05kg

DIMENSIONS PLAIN TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-SRC19-F-12PV	251mm-255mm	13.2mm-14.6mm	9.7m	5.25kg
Ceramic Lagging 15mm	ELA-SRC19-F-15PV	251mm-255mm	16.2mm-17.6mm	9.7m	5.90kg
Ceramic Lagging 20mm	ELA-SRC19-F-20PV	251mm-255mm	21.2mm-22.6mm	9.7m	6.30kg

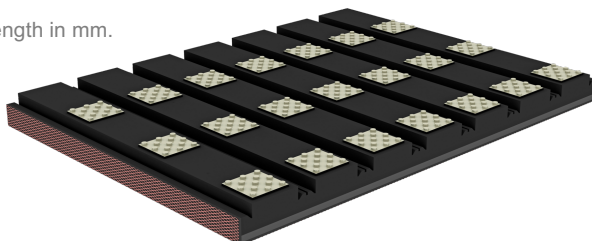
Product code for different lengths: Add 5-digit number to indicating length in mm.

Example

Roll: 12mm 9.7m roll product code: ELA-SRC19-N-12KV-09700

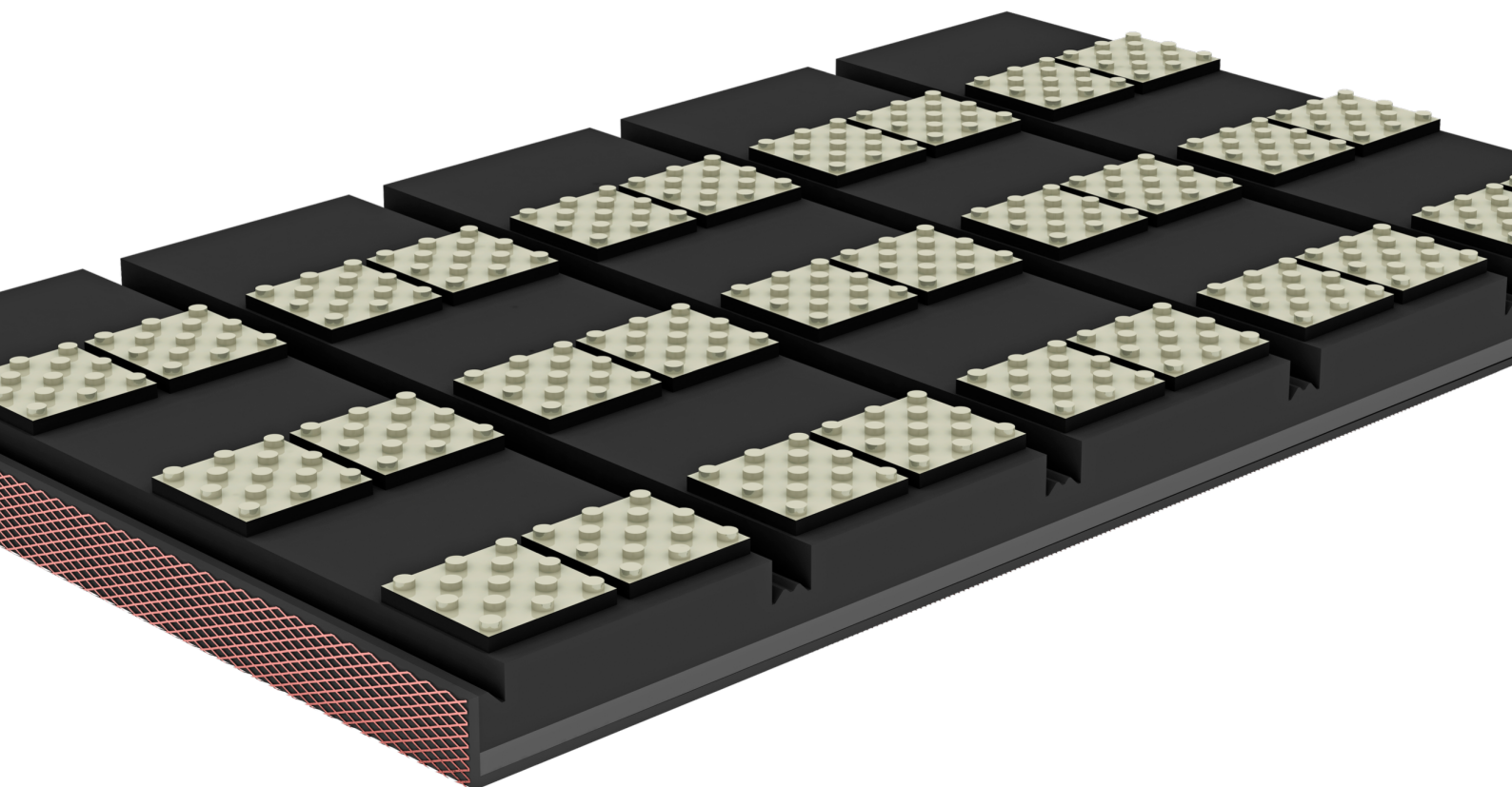
Thickness variation (all strips/pulley) +/-0.5mm

Ceramic Lagging with thickness >15mm only recommended for pulleys with diameters over 600mm.



BULK ROLL LAGGING

BULK ROLL DOUBLE ROW 40% CERAMIC LAGGING



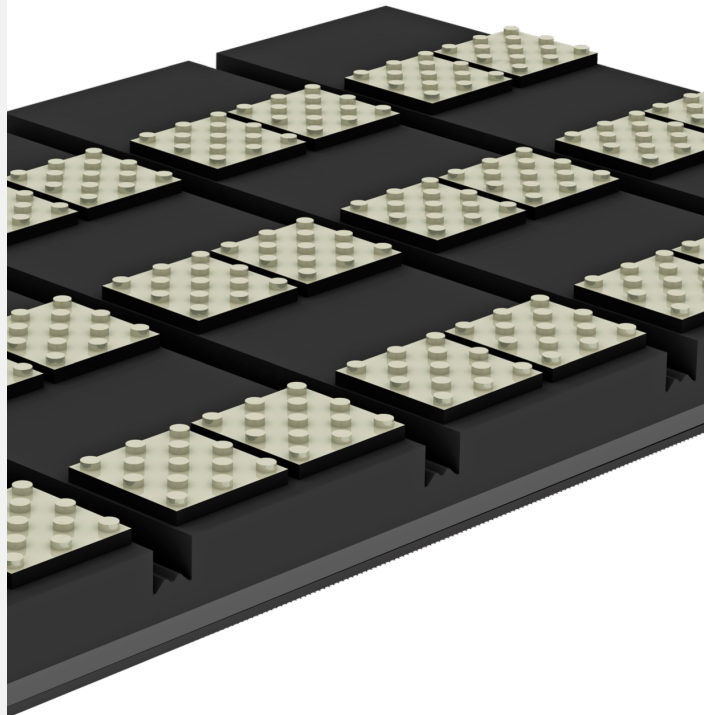
BULK ROLL LAGGING

BULK ROLL LAGGING – DOUBLE ROW 40% CERAMIC

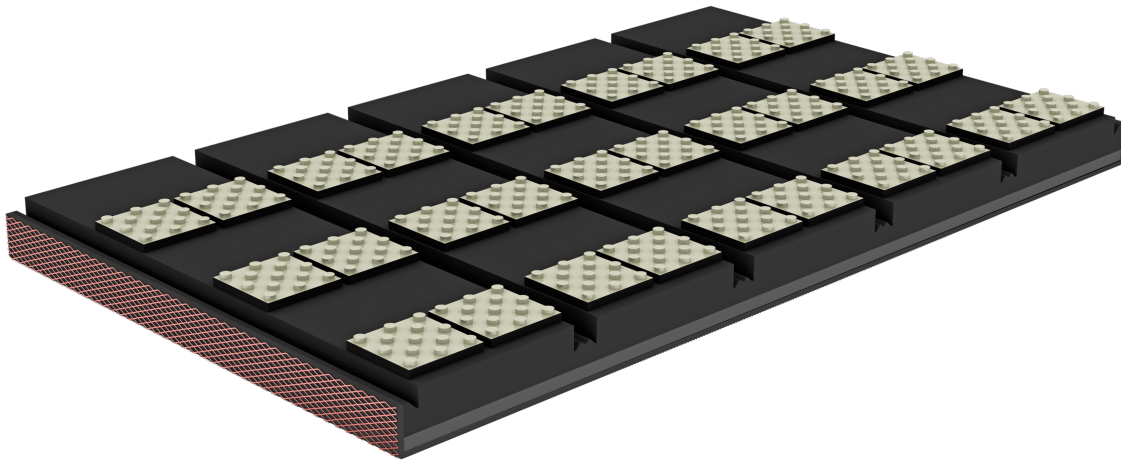


KEY FEATURES AND BENEFITS

- ✓ Increased grip and traction for applications where Rubber Lagging is experiencing slippage.
- ✓ Options for various rubber compounds and thicknesses from 12mm - 20mm.
- ✓ Precision moulded at 250mm wide and supplied as a roll for quick and easy installation.
- ✓ Physical properties remain stable with age and varying operating temperatures.
- ✓ No tile debonding from rubber backing, and available in both Dimpled tiles for Drive pulleys, or Plain tiles for Non-Drive pulleys.
- ✓ 40% Ceramic coverage design allows for strips to be cut to length to suit any pulley face width, without cutting through tiles.
- ✓ Available for Cold Bond and Hot Vulcanised applications.



BULK ROLL LAGGING



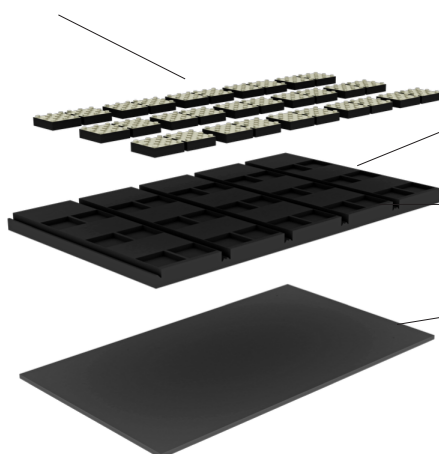
DESIGN

Elastotec Single Row 40% Ceramic Lagging is designed to improve friction, and fit any pulley face width without cutting through tiles.

Ceramic coverage of 40% improves friction and wear resistance in light and medium duty applications. The rubber spacing between each tile allows for strips to be cut to suit any pulley face width, and the lagging will go all the way to the edge of the pulley shell to improve adhesion and edge sealing.

COLD BONDED

High performance
Elastotec ceramic tiles



Elastotec 100%
rubber tear
bonding system

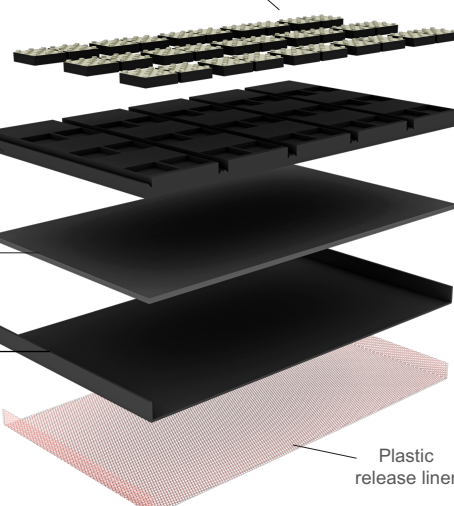
Edge sipe
3 cutting
location sipe

CN buffed
adhesion
layer

Uncured
bonding layer

HOT VULCANISED

Ceramic proven
tile design



Plastic
release liner

BULK ROLL LAGGING

RUBBER SPECIFICATIONS

Typical values

	NAT	FRAS
Polymer	SBR	Blend
Tensile strength (MPa) min ISO37	18.0	16.0
% Elongation min ISO37	550%	500%
Hardness (shore A) ISO868	65+/-5	65+/-5
Abrasion resistance max vol. loss ISO 4649 method A (non-rotating)	70mm ³	150mm ³
FRAS - MDG3608 and MSHA Standards	N/A	PASS/ACCEPTED
Heat ageing (Property change after 70°C 168hs)	Tensile strength +1% Elongation -15% Hardness 5 points	Tensile strength +5% Elongation -1% Hardness 3 points
Continuous operating temperature	-40/+70°C	-40/+70°C

CERAMIC SPECIFICATIONS

Typical values

Aluminium oxide	96%
Specific gravity g/cm ³	3.7
Vickers hardness HV (10)	1000 plus
Flexural strength (Mpa)	300
Compressive strength (Mpa)	1800
Fracture Toughness (Mpa m ^{1/2})	3.5



BULK ROLL LAGGING

LAGGING SPECIFICATIONS – DOUBLE ROW 40% CERAMIC LAGGING

COLD BONDED – NAT

DIMENSIONS DIMPLE TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-DRC40-N-12K	250mm-252mm	12mm-13mm	58.2m	5.55kg
Ceramic Lagging 15mm	ELA-DRC40-N-15K	250mm-252mm	15mm-16mm	48.5m	6.21kg
Ceramic Lagging 20mm	ELA-DRC40-N-20K	250mm-252mm	20mm-21mm	38.8m	6.62kg

DIMENSIONS PLAIN TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-DRC40-N-12P	250mm-252mm	12mm-13mm	58.2m	4.10kg
Ceramic Lagging 15mm	ELA-DRC40-N-15P	250mm-252mm	15mm-16mm	48.5m	4.74kg
Ceramic Lagging 20mm	ELA-DRC40-N-20P	250mm-252mm	20mm-21mm	38.8m	5.13kg

COLD BONDED – FRAS

DIMENSIONS DIMPLE TILES

PRODUCT	CODE	WIDTH	THICK-NESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-DRC40-F-12K	250mm-252mm	12mm-13mm	58.2m	4.19kg
Ceramic Lagging 15mm	ELA-DRC40-F-15K	250mm-252mm	15mm-16mm	48.5m	4.49kg
Ceramic Lagging 20mm	ELA-DRC40-F-20K	250mm-252mm	20mm-21mm	38.8m	5.29kg

DIMENSIONS PLAIN TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-DRC40-F-12P	250mm-252mm	12mm-13mm	58.2m	4.39kg
Ceramic Lagging 15mm	ELA-DRC40-F-15P	250mm-252mm	15mm-16mm	48.5m	4.69kg
Ceramic Lagging 20mm	ELA-DRC40-F-20P	250mm-252mm	20mm-21mm	38.8m	5.49kg

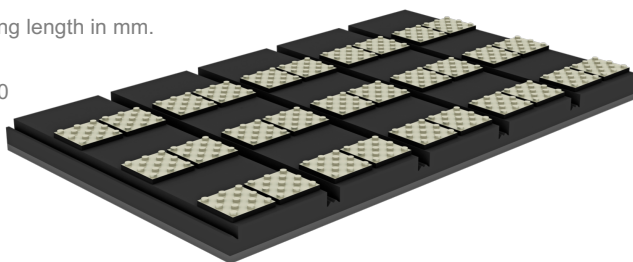
Product code for different lengths: Add 5-digit number to indicating length in mm.

Example

Roll: 12mm 58.2 m roll product code: ELA-DRC40-N-12K-58200

Thickness variation (all strips/pulley) +/-0.5mm

Ceramic Lagging with thickness >15mm only recommended for pulleys with diameters over 600mm.



BULK ROLL LAGGING

LAGGING SPECIFICATIONS – DOUBLE ROW 40% CERAMIC LAGGING

HOT VULCANISED – NAT

DIMENSIONS DIMPLE TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-DRC40-N-12KV	251mm-255mm	13.2mm-14.6mm	9.7m	5.88kg
Ceramic Lagging 15mm	ELA-DRC40-N-15KV	251mm-255mm	16.2mm-17.6mm	9.7m	6.53kg
Ceramic Lagging 20mm	ELA-DRC40-N-20KV	251mm-255mm	21.2mm-22.6mm	9.7m	6.92kg

DIMENSIONS PLAIN TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-DRC40-N-12PV	251mm-255mm	13.2mm-14.6mm	9.7m	6.33kg
Ceramic Lagging 15mm	ELA-DRC40-N-15PV	251mm-255mm	16.2mm-17.6mm	9.7m	6.98kg
Ceramic Lagging 20mm	ELA-DRC40-N-20PV	251mm-255mm	21.2mm-22.6mm	9.7m	7.37kg

HOT VULCANISED – FRAS

DIMENSIONS DIMPLE TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-DRC40-F-12KV	251mm-255mm	13.2mm-14.6mm	9.7m	6.08kg
Ceramic Lagging 15mm	ELA-DRC40-F-15KV	251mm-255mm	16.2mm-17.6mm	9.7m	6.38kg
Ceramic Lagging 20mm	ELA-DRC40-F-20KV	251mm-255mm	21.2mm-22.6mm	9.7m	7.18kg

DIMENSIONS PLAIN TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-DRC40-F-12PV	251mm-255mm	13.2mm-14.6mm	9.7m	6.51kg
Ceramic Lagging 15mm	ELA-DRC40-F-15PV	251mm-255mm	16.2mm-17.6mm	9.7m	6.81kg
Ceramic Lagging 20mm	ELA-DRC40-F-20PV	251mm-255mm	21.2mm-22.6mm	9.7m	7.61kg

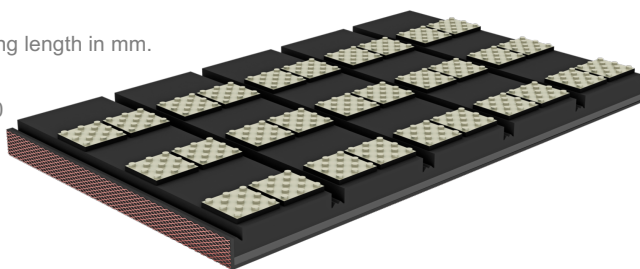
Product code for different lengths: Add 5-digit number to indicating length in mm.

Example

Roll: 12mm 9.7m roll product code: ELA-DRC40-N-12KV-09700

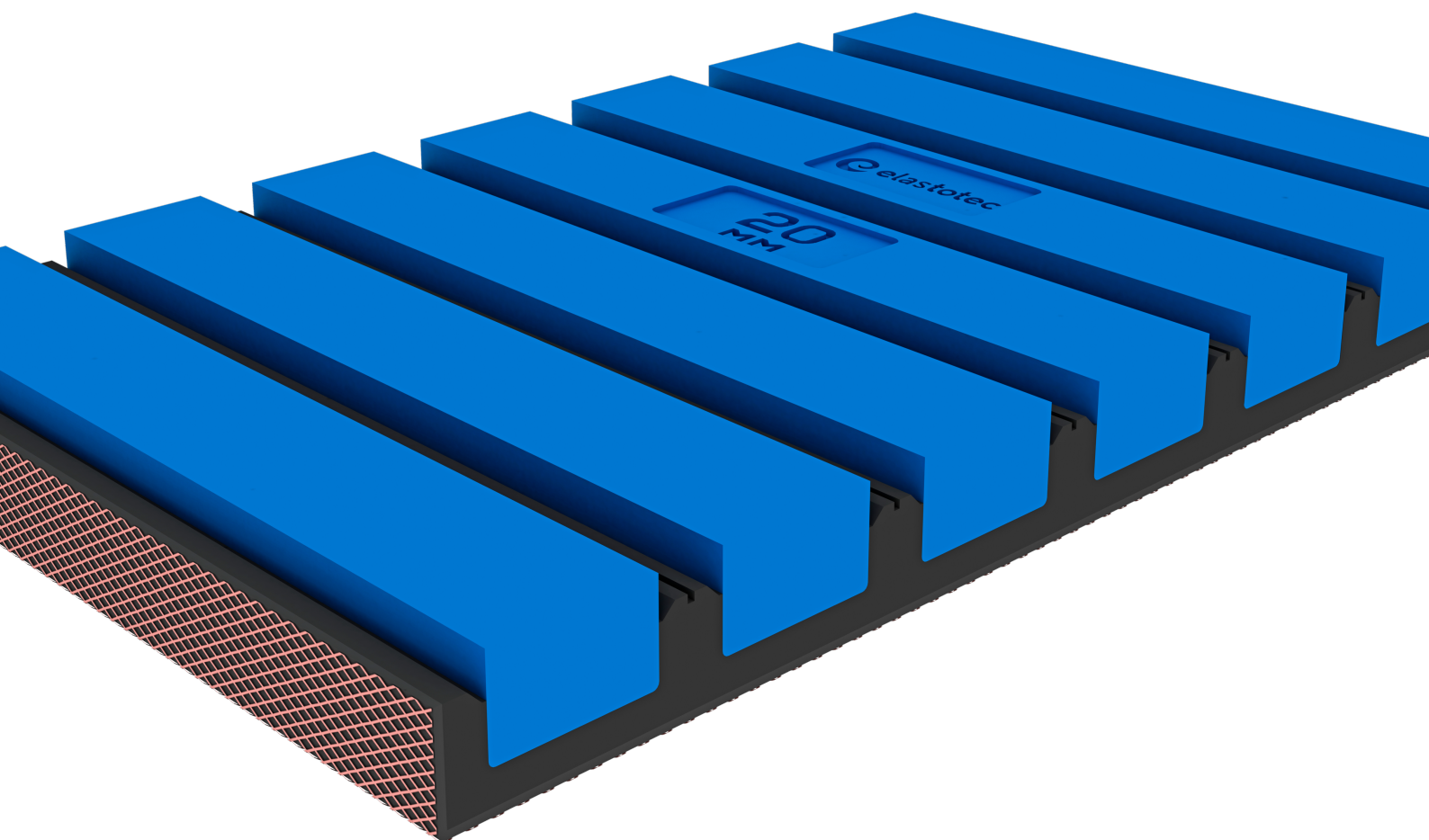
Thickness variation (all strips/pulley) +/-0.5mm

Ceramic Lagging with thickness >15mm only recommended for pulleys with diameters over 600mm.



BULK ROLL LAGGING

BULK ROLL POLYURETHANE LAGGING

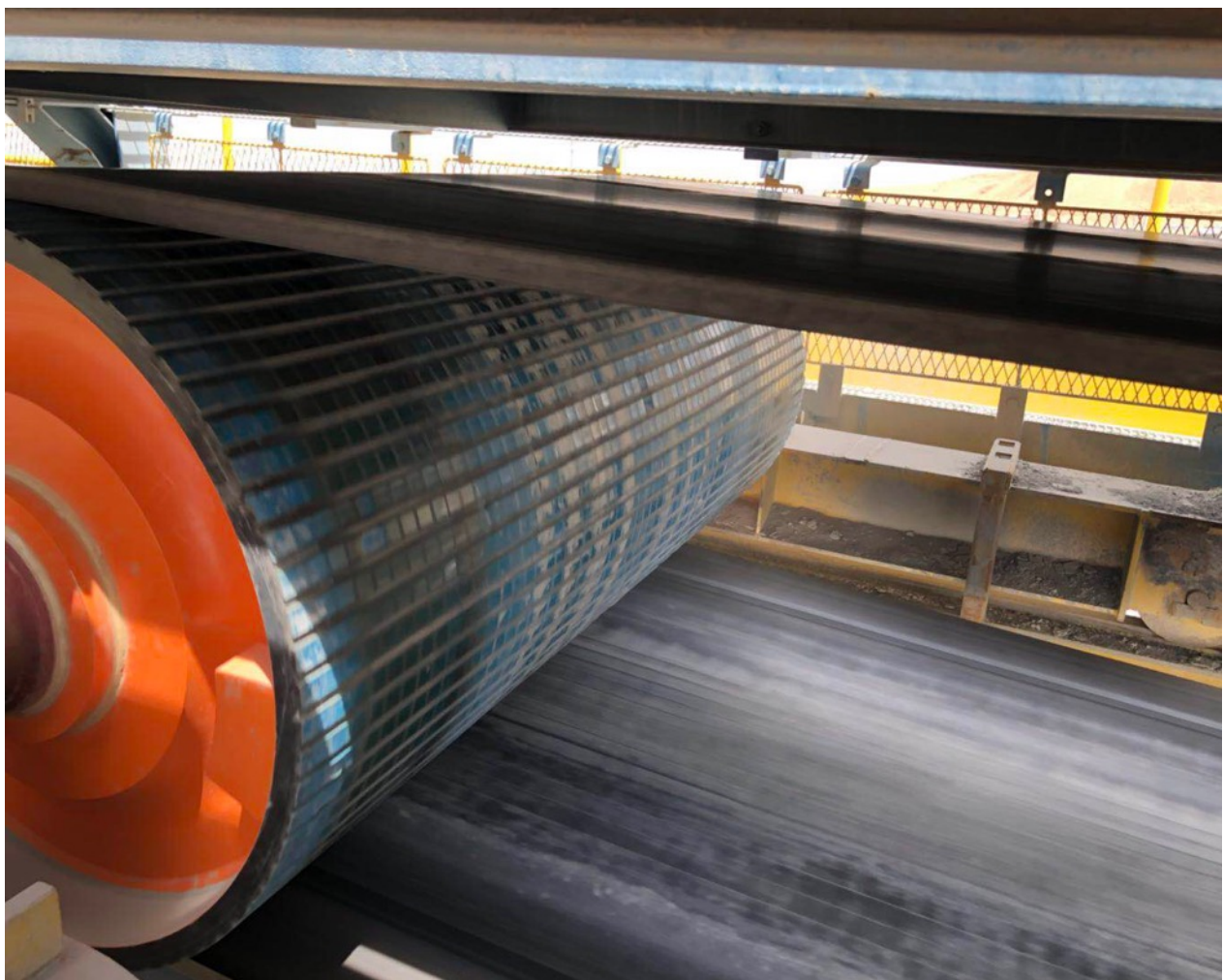
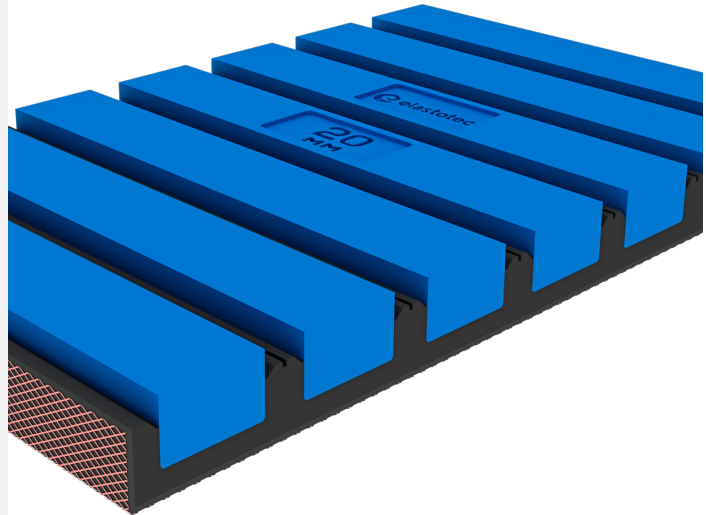


BULK ROLL LAGGING

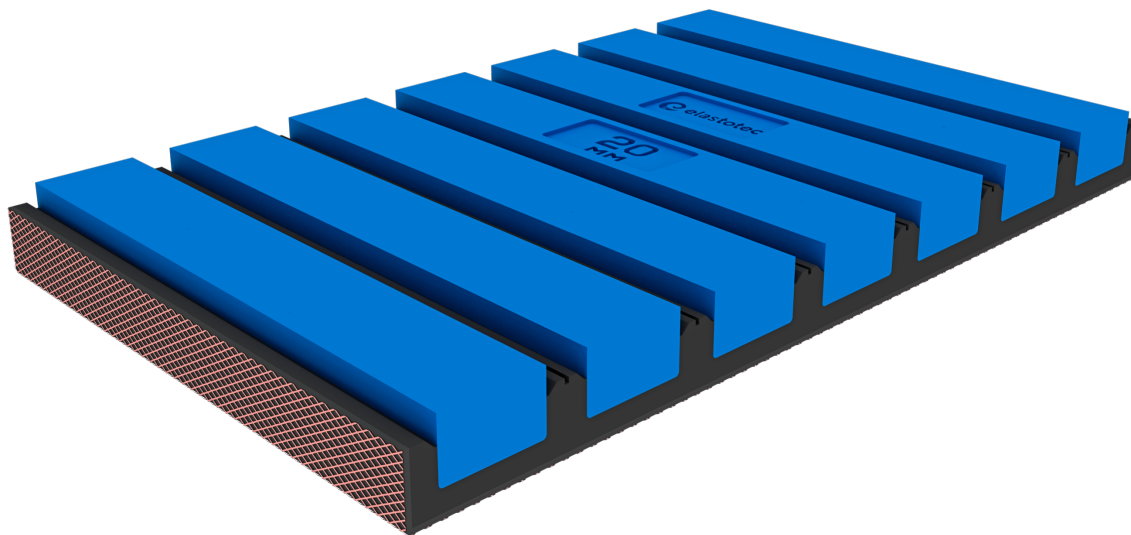


KEY FEATURES AND BENEFITS

- ✓ Highly abrasion resistant polyurethane inserts prevent wear on pulley shell and offers positive dirt release and shedding.
- ✓ Precision moulded at 250mm wide and supplied as a roll for quick and easy installation.
- ✓ Available in 12mm and 20mm thicknesses.
- ✓ Low coefficient of friction resists material build up and is kind to belt cover.
- ✓ Available for Cold Bond and Hot Vulcanised applications.



BULK ROLL LAGGING

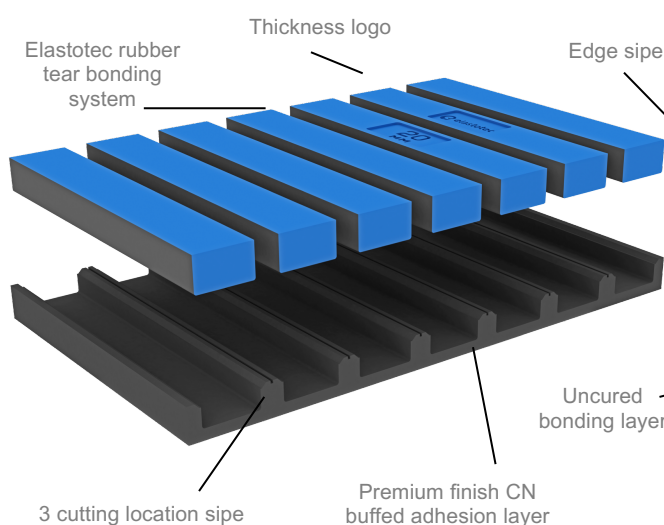


DESIGN

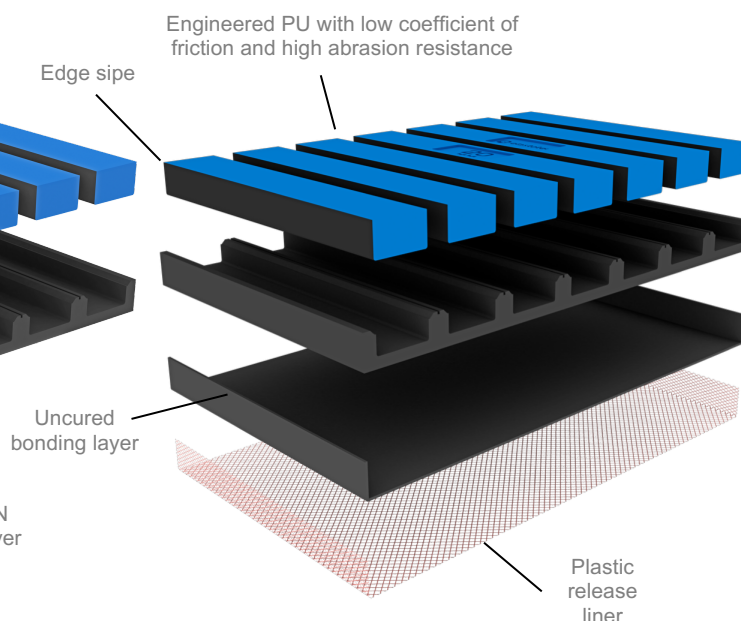
Elastotec Polyurethane Lagging has low coefficient of friction, which rejects material build up on non-drive pulleys.

Elastotec Polyurethane Lagging is suitable for any non-drive pulley if material build up or carry back is an issue. Its low coefficient of friction rejects material build up, and its high abrasion resistant properties reduce wear and increase product life.

COLD BONDED



HOT VULCANISED



BULK ROLL LAGGING

POLYURETHANE SPECIFICATIONS

Typical values

Hardness (shore A)	85+/-5	ASTM D2240
Tensile strength	40 Mpa	DIN53504
Elongation at break	500%	ASTM D412
Abrasion loss (volume loss)	25mm ³	DIN 53516 – non rotating - method A

COLD BONDED

DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Polyurethane Lagging 12mm	ELA-PU-PLN-N-12	249mm-251mm	10.8mm-11.8mm	58.2m	3.70kg
Polyurethane Lagging 20mm	ELA-PU-PLN-N-20	249mm-251mm	19mm-20mm	35.0m	6.39kg

Product code for different lengths: Add 5-digit number indicating length in mm.
Example: 12mm 58.2m roll product code: ELA-PU-PLN-N-12-58200

HOT VULCANISED

DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Polyurethane Lagging 12mm	ELA-PU-PLN-N-12V	249mm-251mm	12.0mm-13.4mm	9.7m	4.21kg
Polyurethane Lagging 20mm	ELA-PU-PLN-N-20V	249mm-251mm	20.2mm-21.6mm	9.7m	6.90kg

Product code for different lengths: Add 5 digit number indicating length in mm.
Example: 12mm 9.7m roll product code: ELA-PU-PLN-N-12V-09700

Thickness variation (all strips/pulley) +/-0.5mm

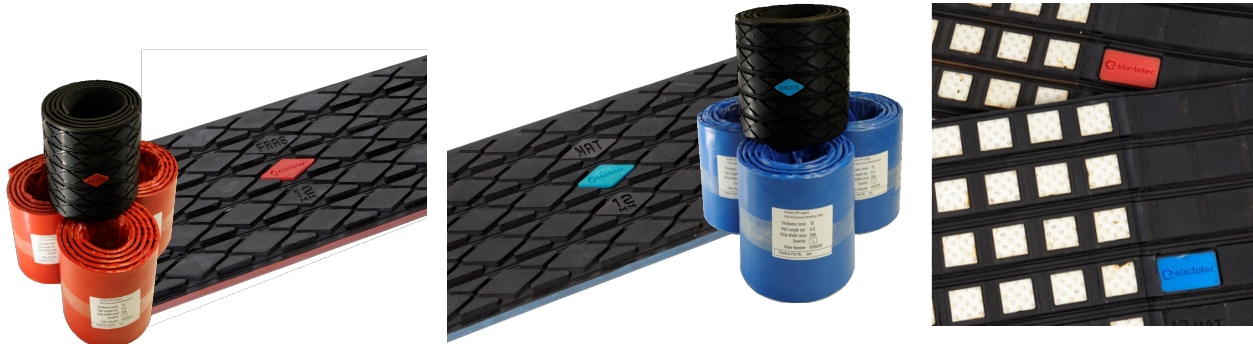
Polyurethane lagging with thickness >15mm only recommended for pulleys with diameters over 400mm.



BULK ROLL LAGGING

NAT AND FRAS

Elastotec Rubber and Ceramic Laggings are available in both SBR (NAT) and FRAS approved compounds. FRAS lagging is MDG3608 certified and MSHA accepted, made of a fire resistant and antistatic compound that is primarily used in applications where there is a risk of fire and/or explosion as a safety precaution. These applications include underground coal mines, power stations, grain handling facilities and sugar terminals. Elastotec uses blue coloured inserts to identify SBR (NAT) rubber products and red coloured inserts to identify FRAS rubber products.



Elastotec lagging can be applied to pulleys by cold bonding or by hot vulcanisation.

ELASTOTEC COLD BONDING RUBBER LAGGING

Elastotec Cold Bonding Rubber Lagging has the CN buffed bonding layer packed in plastic to protect and keep it fresh and free from contamination until application to the pulley.

A rubber tear bond is achieved by using Elastotec Metal Primer 2205 and Elastotec Cold Bonding Adhesive to chemically interlock with the CN bonding layer, making a strong interface between the layers.

An Elastotec approved applicator using the Elastotec application procedure will achieve reliable adhesion levels that exceed the 9 N/mm industry standard and are typically at 12 N/mm.

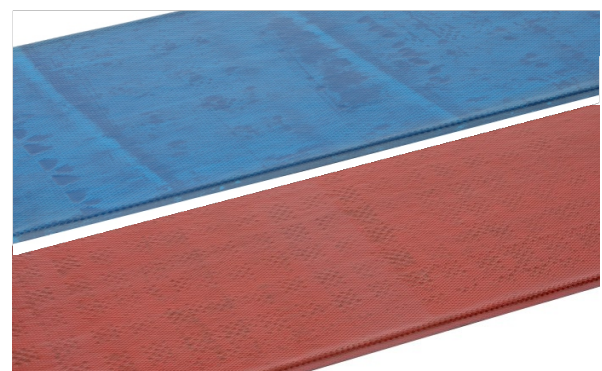


ELASTOTEC HOT VULCANISING RUBBER LAGGING

Elastotec Hot Vulcanising Rubber Lagging has a 1.2mm thick uncured rubber layer applied to the back and sides of the lagging.

Hot Vulcanising Lagging is supplied packed in plastic to protect and keep the uncured bonding layer fresh and free from contamination until application to the pulley.

Application by a trained Elastotec approved applicator using the Elastotec application procedures will guarantee a 100% rubber tear bond between the lagging and the pulley shell with typical adhesion values exceeding 20 N/mm.



BULK ROLL LAGGING



STORAGE

STORAGE RECOMMENDATIONS

- Stock usage based on a first-in first-out method (FIFO).
- The storage room for lagging must be cool, dry and dust-free.
- Avoid storage places near sources of ozone generating equipment.
- Do not store outside.
- Avoid storage in direct sunlight and strong artificial light as UV light can damage the products and may lead to a premature ageing.
- Under no circumstances should fuels, lubricants, acids, disinfectants, solvents or other chemicals be stored in the same storage area.
- Keep the storage place clean. Protect the material from dust, water etc. with suitable coverings.
- Allow 24 hours before use when lagging is removed from cold storage

SHELF LIFE

COLD BONDING LAGGING AND WEAR PANELS

- Stored <25°C 3 years shelf life
- Light buffing of bonding surfaces is recommended if over 4 months from production date

HOT VULCANISED LAGGING AND WEAR PANELS

- <7°C and away from UV and ozone generating equipment 12 months. Products stored for longer than 6 months will need to be re-tested for adhesion before being used, and the recommended shelf life is 12 months.

ADHESIVES AND PRIMERS

- Store in flammable goods cabinet
- Stored <25°C
- Shelf life:
 - Primers: 2 years
 - Cold bonding adhesive: 2 years
 - Hot vulcanising adhesive: 12 months
 - Direct bond adhesive: 2 years

Products stored under the above conditions for longer periods of time than recommended need to be re-tested for adhesion before being used.



For more information, please contact:



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