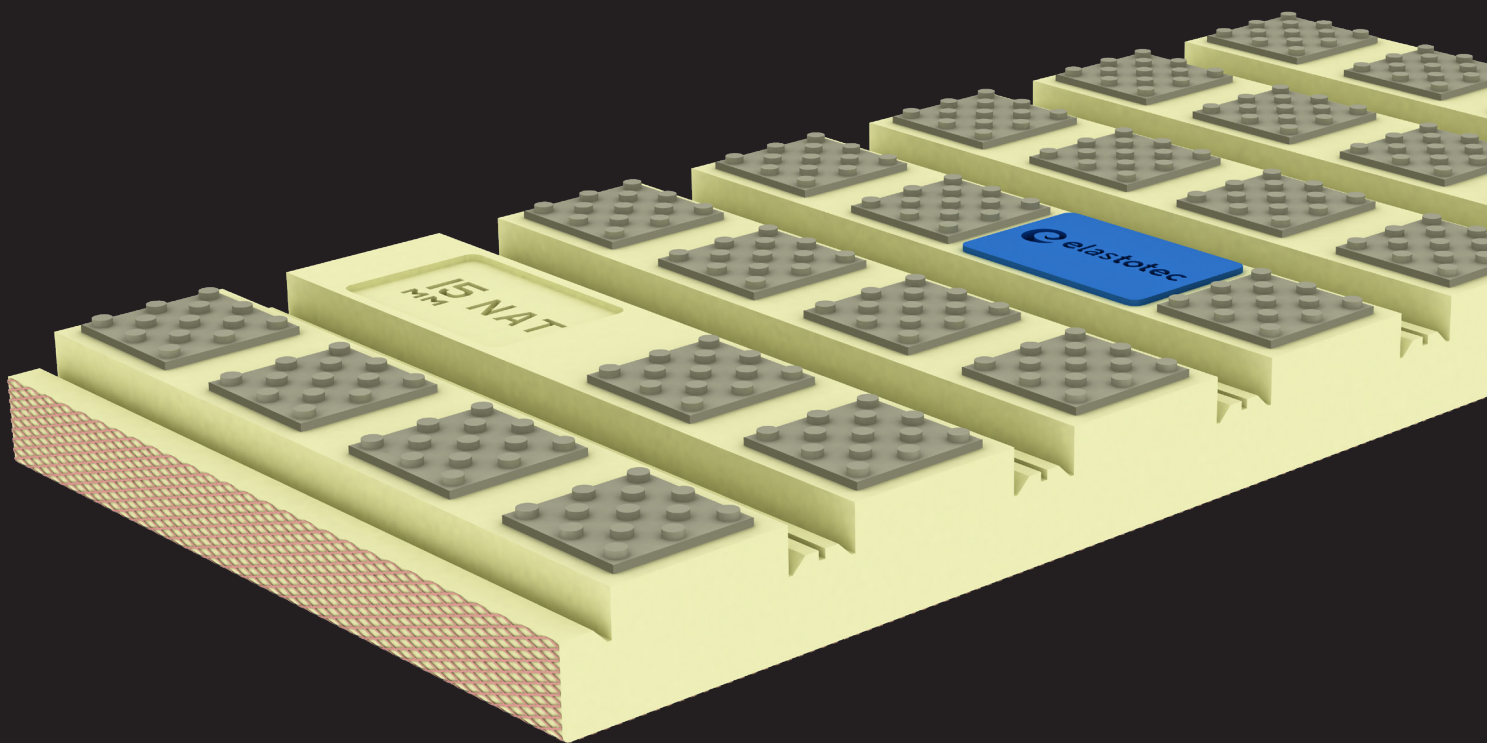




FDA Lagging



Engineered to Perform

FDA Lagging is produced to comply with regulations to be used in the food industry.

It is manufactured using ingredients included in the CFR-21 list. Elastotec FDA Lagging complies with FDA regulations. The raw materials in our formulation are acceptable on the FDA listing.

Application

Elastotec FDA Lagging can be applied to conveyor drive, tail, snub, bend or take-up pulleys when there's a requirement for pulley lagging that complies with FDA regulations. The Lagging is available in Rubber Diamond and Ceramic options, with ceramic lagging providing increased friction and wear resistance.

Key Features and Benefits

-  Rubber compound designed and manufactured to meet strict FDA regulations.
-  Available in both Rubber Diamond and Ceramic options.
-  Ceramic lagging includes 96% Aluminium oxide tiles for extreme wear resistance.
-  Ceramic tiles bonded to rubber on 5 sides to resist better tile cracking and pull out.
-  Dimpled tiles for increased grip on drive pulleys, and smooth tiles to protect non drive pulleys from damaging the belt cover.
-  Lagging can supplied to size to suit any pulley size.
-  Supplied as 250mm wide strips in thicknesses



Design

Elastotec FDA Lagging consists of Rubber Diamond and Ceramic options.

The FDA rubber compound meets FDA regulations. For the Ceramic option, the rubber is bonded to five surfaces of the ceramic tile to ensure tile cushioning and better adhesion strength. High aluminium oxide tiles provide high abrasion resistance, and the flexible rubber backing is used to provide abrasion resistance and flexibility.

Rubber Specifications

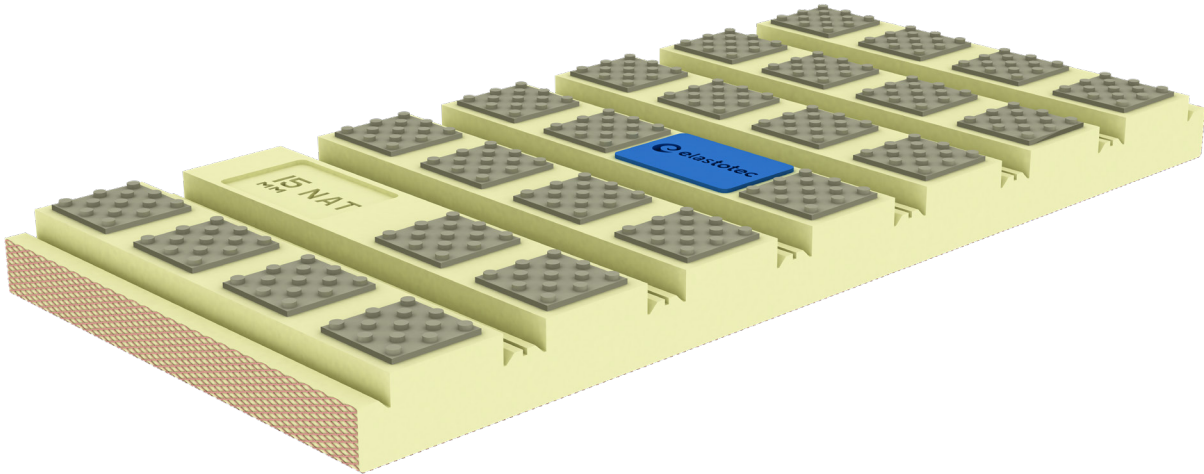
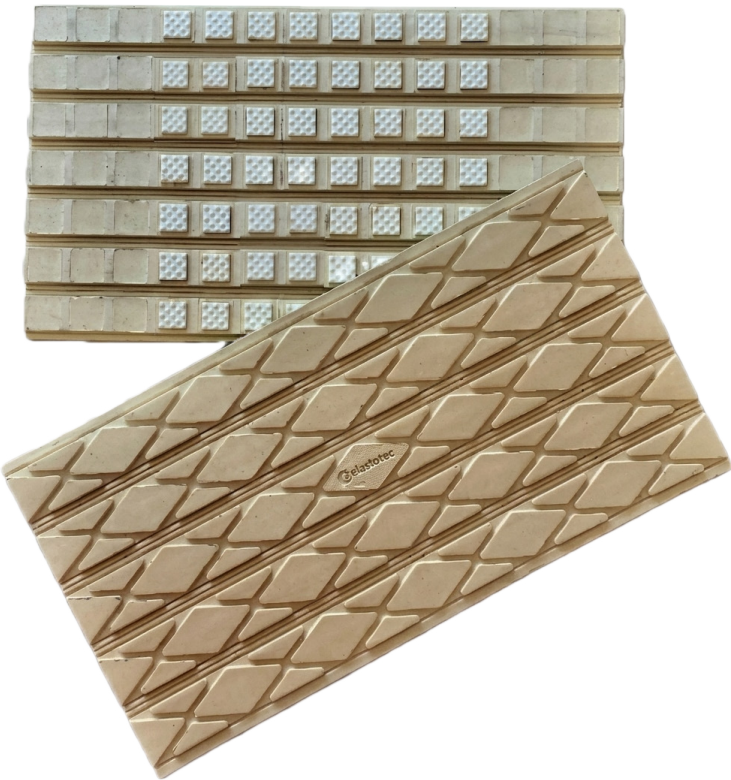
Typical values

	NAT
Tensile strength (MPa) min ISO37	12.0
% Elongation min ISO37	530%
Hardness (shore A) ISO868	60+/-5

Ceramic Specifications

Typical values

Aluminium oxide	96%
Specific gravity g/cm3	3.7
Vickers hardness HV (10)	1000 plus
Flexural strength (Mpa)	300
Compressive strength (Mpa)	1800
Fracture Toughness (Mpa m1/2)	3.5



LAGGING SPECIFICATIONS – FDA RUBBER LAGGING

COLD BONDED – NAT

DIMENSIONS

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
FDA Rubber Lagging 8mm	ELA-RL-DIA-W-08	249mm-251mm	8mm-9mm	3.25m	2.45kg
FDA Rubber Lagging 10mm	ELA-RL-DIA-W-10	249mm-251mm	10mm-11mm	3.25m	2.78kg
FDA Rubber Lagging 12mm	ELA-RL-DIA-W-12	249mm-251mm	12mm-13mm	3.25m	3.93kg
FDA Rubber Lagging 15mm	ELA-RL-DIA-W-15	249mm-251mm	15mm-16mm	3.25m	4.30kg
FDA Rubber Lagging 20mm	ELA-RL-DIA-W-20	249mm-251mm	19mm-20mm	3.25m	5.70kg
Diamond Rubber Lagging 25mm	ELA-RL-DIA-N-25	249mm-251mm	25mm-26mm	30m	7.10kg

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

12mm 3.25m roll product code: ELA-RL-DIA-W-12-03250

For strips always allow 100mm extra length over the pulley face width to have 50mm at each end of overhang.

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

Recommendation for lagging thickness suitability for pulley diameters:

8mm, 10mm and 12mm, for pulley diameters 350mm and larger

15mm, for pulley diameters 600mm and larger

20mm, for pulley diameters 1000mm and larger

25mm, for pulley diameters 1400mm and large



LAGGING SPECIFICATIONS – FDA CERAMIC LAGGING

COLD BONDED – NAT

DIMENSIONS DIMPLE TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
FDA Ceramic Lagging 12mm	ELA-SRC38-W-12K-SQ	250mm-252mm	12mm-13mm	Up to 3.25m	4.19kg
FDA Ceramic Lagging 15mm	ELA-SRC38-W-15K-SQ	250mm-252mm	15mm-16mm	Up to 3.25m	4.84kg
FDA Ceramic Lagging 20mm	ELA-SRC38-W-20K-SQ	250mm-252mm	19.5mm-20.5mm	Up to 3.25m	5.23kg

DIMENSIONS PLAIN TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
FDA Ceramic Lagging 12mm	ELA-SRC38-W-12P-SQ	250mm-252mm	12mm-13mm	Up to 3.25m	4.39kg
FDA Ceramic Lagging 15mm	ELA-SRC38-W-15P-SQ	250mm-252mm	15mm-16mm	Up to 3.25m	5.04kg
FDA Ceramic Lagging 20mm	ELA-SRC38-W-20P-SQ	250mm-252mm	19.5mm-20.5mm	Up to 3.25m	5.43kg

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

Example

Strip: 15 mm thick x 1200mm ceramic length strip product code: ELA-SRC38-W-15K-01200

Ceramic strips are supplied with 130mm rubber end pieces at each end

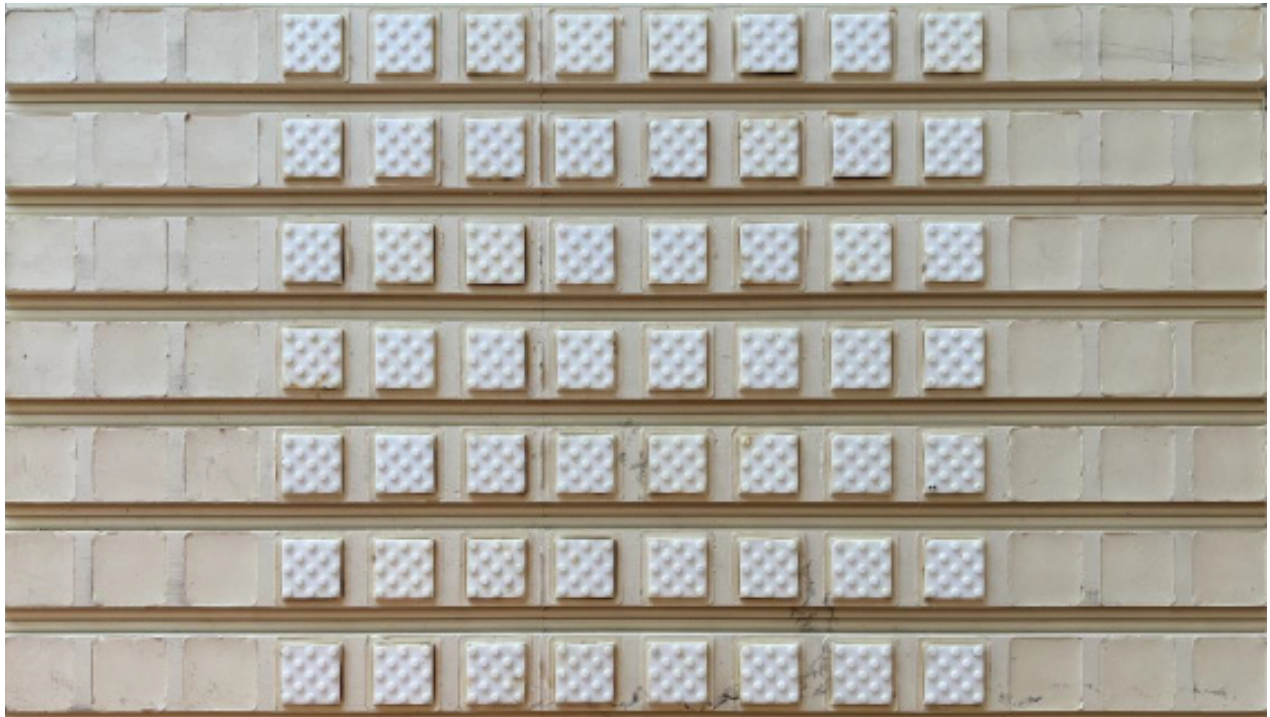
Thickness variation (all strips/pulley) +/-0.5mm

Recommendation for lagging thickness suitability for pulley diameters:

12mm, for pulley diameters 350mm and larger

15mm, for pulley diameters 600mm and larger

20mm, for pulley diameters 1000mm and larger



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

DIRECT BOND LAGGING AND WEAR PANELS

-  Stored <25C 5 years shelf life
-  Inspect and evaluate condition of backing tape after 5 years

COLD BOND 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

-  Stored <7C 12 months shelf life
-  Store away from UV and ozone generating equipment
-  Products stored for longer than 12 months require adhesion testing before use

ADHESIVES AND PRIMERS

-  Store in flammable goods cabinet
-  Shelf life Stored <25°C
 - Primers: 2 years
 - Cold Bonding adhesive: 2 years
 - Direct Bond adhesive: 2 years
-  Shelf life Stored <7°C
 - Hot vulcanising adhesive: 12 months

IMPORTANT: For HV Rubber Cement stored at <7C ensure this is brought to room temperature over a minimum of 24 hours before the drums are opened. This is to prevent condensation of water and contamination of the rubber cement.



+61 (0)2 8987 1922



sales@elastotec.com.au



elastotec.com.au



61 Somersby Falls Rd,
Somersby NSW 2250, Australia