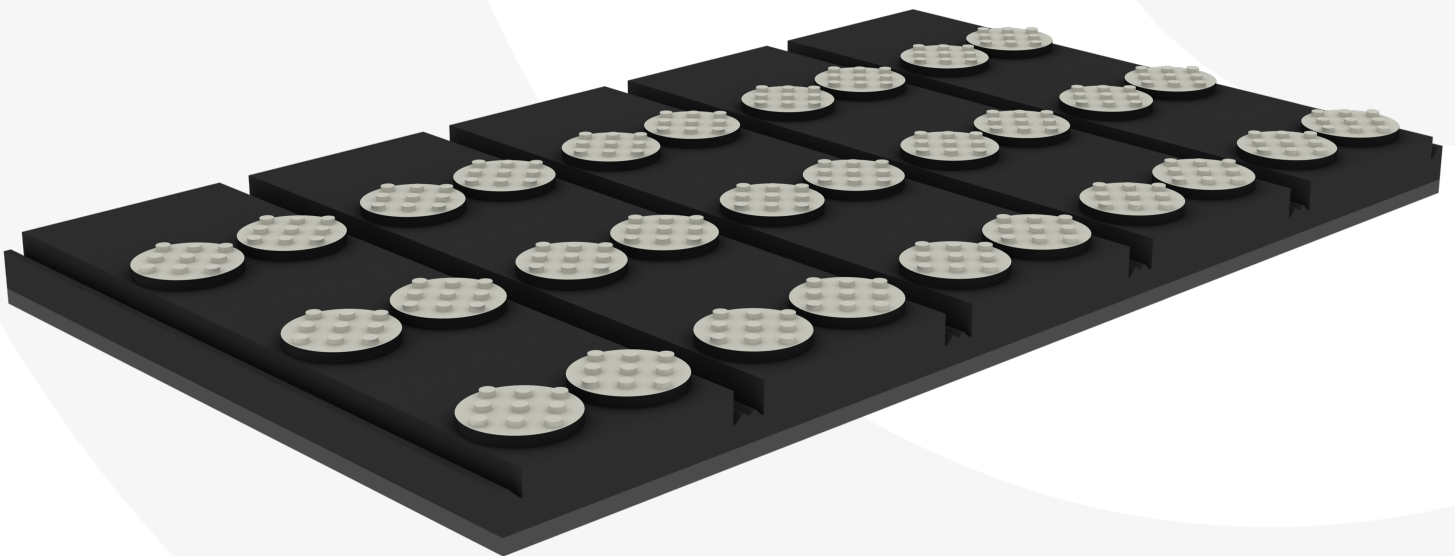


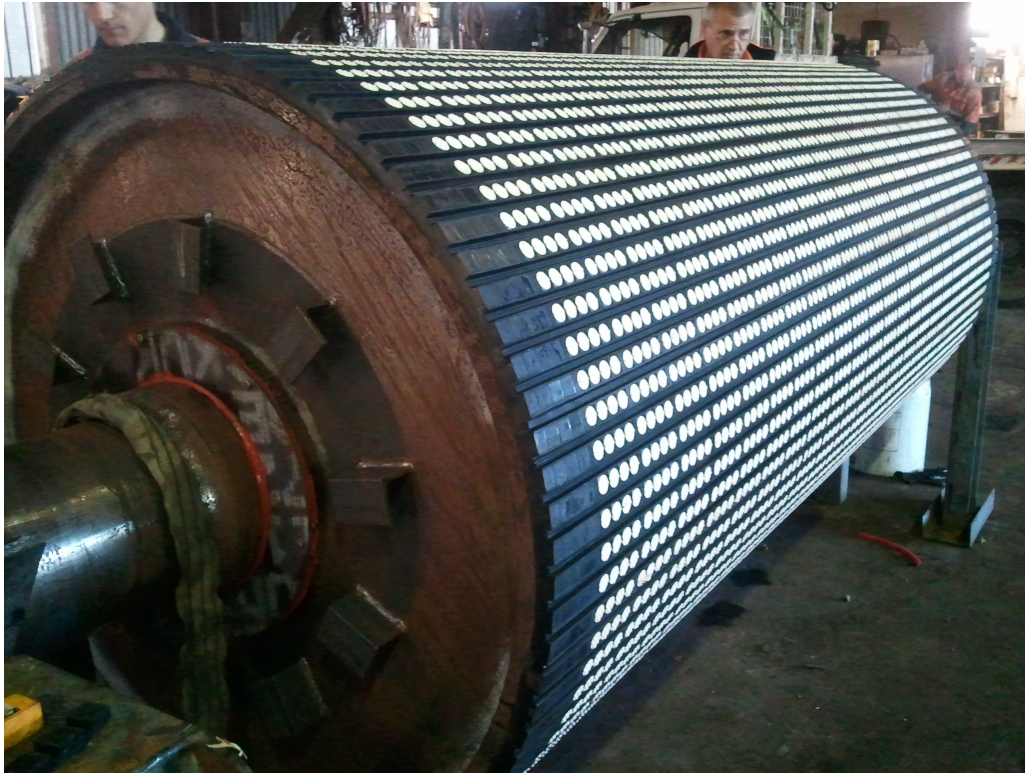
MEDIUM DOUBLE ROW

32% CERAMIC

COLD BOND LAGGING



MEDIUM DOUBLE ROW 32% CERAMIC COLD BOND LAGGING



DESCRIPTION

Elastotec Medium Double Row 32% Ceramic Cold Bond Lagging is designed for use on Drive and Non-Drive pulleys, in light and medium duty cold bond applications.

Elastotec Double Row 32% Ceramic Cold Bond Lagging is available in various thicknesses and rubber compounds, and can 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

This product is designed for use in low and medium belt tension applications, and can be applied to conveyor drive, tail, snub, bend or take-up pulleys. Supplied as a bulk roll, strips can be cut slightly longer than the pulley face width and then trimmed flush with the edge of the pulley shell to improve adhesion and sealing of the pulley shell. This lagging is suitable for use on pulleys operating in mining, quarrying, minerals, metal processing, and agricultural industries.

MEDIUM DOUBLE ROW 32% CERAMIC COLD BOND LAGGING



KEY FEATURES AND BENEFITS

- ✓ Round >92% Aluminium oxide tiles that provide traction and high wear resistance.
- ✓ Rubber compound blended with CN polymers provides outstanding adhesion to ceramic tiles, rubber, and metal.
- ✓ Buffed CN bonding layer for optimum cold bond adhesion to the pulley shell.
- ✓ Available in a range of rubber compounds, including NAT/SBR and FRAS/MSHA certified compounds.
- ✓ Round ceramic tiles bonded using a proprietary system to resist tile cracking and prevent tiles being pulled out.
- ✓ Supplied as a bulk roll to minimise waste, and for safe and efficient transport, storage, and handling.
- ✓ Bulk rolls can be cut into strips to suit any pulley size.
- ✓ Product width is 250mm to allow for safe and precise installations, with consistent adhesion over the full surface area.
- ✓ Dimpled tiles for increased grip on drive pulleys, and smooth tiles on non drive pulleys to provide wear resistance and protect the belt cover.
- ✓ Cutting sipes allow adjustment of strip width to suit pulley diameter.
- ✓ Available in a wide range of thicknesses to suit a range of pulley sizes and applications.



MEDIUM DOUBLE ROW 32% CERAMIC COLD BOND LAGGING

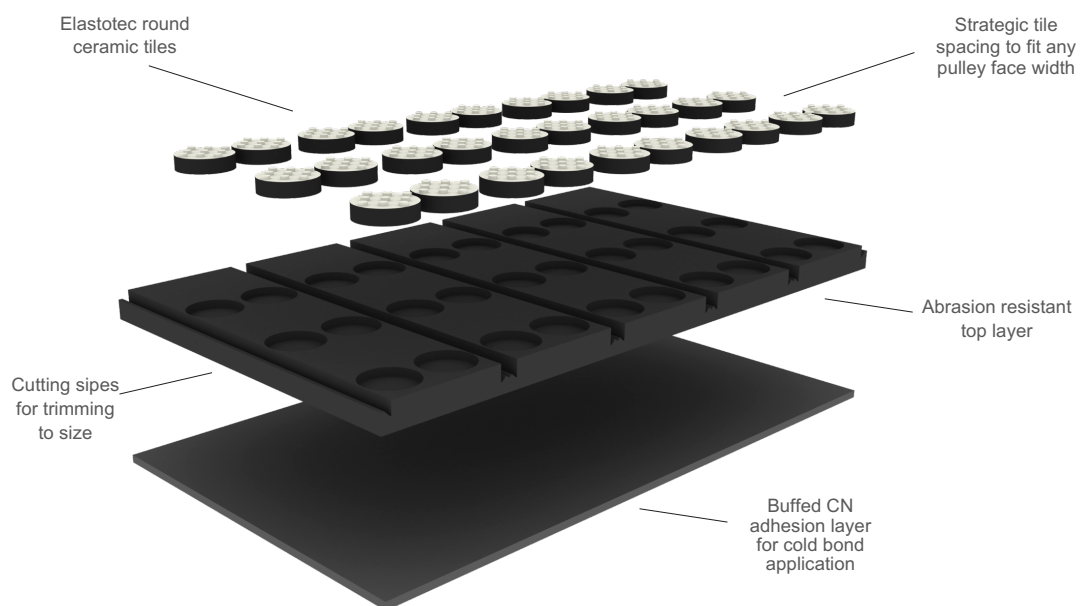


DESIGN

Elastotec Double Row 32% Ceramic Cold Bond Lagging is designed to improve friction, and fit any pulley face width without cutting through tiles.

Ceramic coverage of 32% 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.

Elastotec ceramic pulley lagging is made using two different rubber layers extruded together. The top layer being the high abrasion resistant layer to which the tiles are vulcanized into, and the bottom layer being the adhesion CN bonding layer. Elastotec's specially formulated neoprene based CN bonding layer is engineered to achieve ultimate adhesion when cold bonded to steel pulley surfaces.



MEDIUM DOUBLE ROW 32% CERAMIC COLD BOND 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	>92%
Specific gravity g/cm ³	>3.60
Vickers hardness HV (10)	>1000
Flexural strength (Mpa)	>260
Compressive strength (Mpa)	>1200
Fracture Toughness (Mpa m ^{1/2})	>3.4



MEDIUM DOUBLE ROW 32% CERAMIC COLD BOND LAGGING

LAGGING SPECIFICATIONS – MEDIUM DOUBLE ROW 32% CERAMIC LAGGING

COLD BONDED – NAT

DIMENSIONS DIMPLE TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-DRC32-N-12K	250mm-252mm	12mm-13mm	58.2m	4.19kg
Ceramic Lagging 15mm	ELA-DRC32-N-15K	250mm-252mm	15mm-16mm	48.5m	4.84kg
Ceramic Lagging 20mm	ELA-DRC32-N-20K	250mm-252mm	20mm-21mm	38.8m	5.23kg

DIMENSIONS PLAIN TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-DRC32-N-12P	250mm-252mm	12mm-13mm	58.2m	4.39kg
Ceramic Lagging 15mm	ELA-DRC32-N-15P	250mm-252mm	15mm-16mm	48.5m	5.04kg
Ceramic Lagging 20mm	ELA-DRC32-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-DRC32-F-12K	250mm-252mm	12mm-13mm	58.2m	4.49kg
Ceramic Lagging 15mm	ELA-DRC32-F-15K	250mm-252mm	15mm-16mm	48.5m	4.79kg
Ceramic Lagging 20mm	ELA-DRC32-F-20K	250mm-252mm	20mm-21mm	38.8m	5.59kg

DIMENSIONS PLAIN TILES

PRODUCT	CODE	WIDTH	THICKNESS	LENGTH	WEIGHT/lm
Ceramic Lagging 12mm	ELA-DRC32-F-12P	250mm-252mm	12mm-13mm	58.2m	4.69kg
Ceramic Lagging 15mm	ELA-DRC32-F-15P	250mm-252mm	15mm-16mm	48.5m	4.99kg
Ceramic Lagging 20mm	ELA-DRC32-F-20P	250mm-252mm	20mm-21mm	38.8m	5.79kg

Thickness variation (all strips/pulley) +/-0.5mm
Ceramic Lagging with thickness >15mm only recommended
for pulleys with diameters over 600mm.



MEDIUM DOUBLE ROW 32% CERAMIC COLD BOND 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

ADHESIVES AND PRIMERS

- Store in flammable goods cabinet
- Stored <25°C
- Shelf life:
 - Primers: 2 years
 - Cold bonding 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.



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