

## CERAMIC LAGGING

### LAGGING SPECIFICATIONS - COLD VULCANISED CERAMIC LAGGING

#### COLD VULCANISED CERAMIC LAGGING - NATURAL

Ceramic lagging manufactured using high abrasion resistant ceramic tiles vulcanised to an abrasion resistant top rubber layer and a buffed CN bonding layer to provide high levels of adhesion. Can be supplied in long rolls or in strips with rubber ends to fit pulley face width length.

#### RUBBER PROPERTIES

Base polymer	Blend	
Hardness range	65+/-5	ASTM D2240
Tensile strength	>18 Mpa	ASTM D412
Elongation at break	> 550%	ASTM D412
Abrasion loss (volume loss)	<70mm <sup>3</sup>	DIN 53516 – non rotating – method A

#### CERAMIC PROPERTIES

Aluminium oxide tile	>96% Alumina
Specific gravity	>3.4
Vickers hardness	>1100
Flex crack resistance (MPa*m <sup>1/2</sup> )	>4.0
Micro particle size range	1-8

#### ADHESION REQUIREMENTS

Adhesion to steel @ +25 C	>12N/mm	ASTM D429 method B
Adhesion to steel @ -40 C	>15N/mm	ASTM D429 method B
Adhesion to steel @ +50 C	>9N/mm	ASTM D429 method B

#### DIMENSIONS

##### Dimple tiles

PRODUCT DESCRIPTION	PRODUCT CODE	WIDTH	THICKNESS	STANDARD ROLL LENGTH	WEIGHT/lm
Ceramic lagging 12mm	ELA-SRC-N-12K	250mm-252mm	12mm-13mm	58.2m	4.19kg
Ceramic lagging 15mm	ELA-SRC-N-15K	250mm-252mm	15mm-16mm	48.5m	4.84kg
Ceramic lagging 20mm	ELA-SRC-N-20K	250mm-252mm	19mm-20mm	38.8m	5.23kg

##### Plain tiles

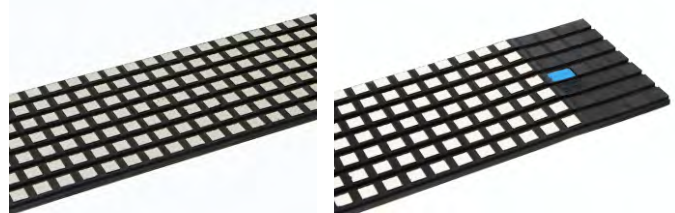
PRODUCT DESCRIPTION	PRODUCT CODE	WIDTH	THICKNESS	STANDARD ROLL LENGTH	WEIGHT/lm
Ceramic lagging 12mm	ELA-SRC-N-12P	250mm-252mm	12mm-13mm	58.2m	4.39kg
Ceramic lagging 15mm	ELA-SRC-N-15P	250mm-252mm	15mm-16mm	48.5m	5.04kg
Ceramic lagging 20mm	ELA-SRC-N-20P	250mm-252mm	19mm-20mm	38.8m	5.43kg

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

##### Example

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

Strip: 15 mm 1.2 m ceramic length strip product code:  
ELA-SRC-N-15K-01200  
Ceramic strips are supplied with 130 mm rubber end pieces at each end



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

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

#### FOR MORE INFORMATION