

**CERAMIC LAGGING**

**LAGGING SPECIFICATIONS - COLD VULCANISED CERAMIC LAGGING**

**COLD VULCANISED CERAMIC LAGGING - FRAS**

Ceramic lagging manufactured using high abrasion resistant ceramic tiles vulcanised to an abrasion resistant FRAS rubber and a buffed Fras CN bonding layer to provide high levels of adhesion. This lagging is for use in applications where there is a risk of fire and/or explosion such as underground coal mines, and grain and sugar handling facilities and is a **safety critical item**. 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	>16 Mpa	ASTM D412
Elongation at break	> 500%	ASTM D412
Abrasion loss (volume loss)	<150mm <sup>3</sup>	DIN 53516 – non rotating – method A
FRAS	PASS	MDG 3608

**CERAMIC PROPERTIES**

<b>Aluminium oxide tile</b>	>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**

<b>Adhesion to steel @ +25 C</b>	>12N/mm	ASTM D429 method B
<b>Adhesion to steel @ -40 C</b>	>15N/mm	ASTM D429 method B
<b>Adhesion to steel @ +50 C</b>	>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-F-12K	250mm-252mm	12mm-13mm	58.2m	4.49kg
Ceramic lagging 15mm	ELA-SRC-F-15K	250mm-252mm	15mm-16mm	48.5m	4.79kg
Ceramic lagging 20mm	ELA-SRC-F-20K	250mm-252mm	19mm-20mm	38.8m	5.59kg

**Dimple tiles**

PRODUCT DESCRIPTION	PRODUCT CODE	WIDTH	THICKNESS	STANDARD ROLL LENGTH	WEIGHT/lm
Ceramic lagging 12mm	ELA-SRC-F-12P	250mm-252mm	12mm-13mm	58.2m	4.69kg
Ceramic lagging 15mm	ELA-SRC-F-15P	250mm-252mm	15mm-16mm	48.5m	4.99kg
Ceramic lagging 20mm	ELA-SRC-F-20P	250mm-252mm	19mm-20mm	38.8m	5.79kg

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

**Example**

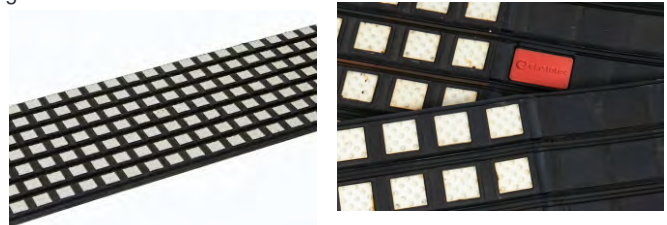
Roll: 12 mm 58.2 m roll product code:

ELA-SRC-F-12K-58200

Strip: 15 mm 1.2 m ceramic length strip product code:

ELA-SRC-F-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**

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