

# K-TEX

## Rubber Lining System



### Key Benefits

- Impact resistance
- Abrasion resistance
- Noise reduction
- Easily installed

**K-TEX has excellent resistance to impact abrasion and corrosion. The material provides a high quality protective layer with the significant benefit of noise abatement.**

### Manufacture

Our range of abrasion resistant rubber lining systems consists of two grades, one for hydraulic applications and the other for gravity or mechanical applications. The manufacture of our K-TEX 40, is unique as it is produced using field latex as the main raw material. The natural latex is delivered straight from the plantation where it is compounded with an aqueous dispersion of finely divided chemical ingredients, prepared during a wet milling process. The product is then coagulated with formic acid and processed into solid crumb before lay up into sheet form.

Our K-TEX 60 rubber is produced using the conventional dry rubber mixing process. A combination of both natural and synthetic rubber bales are blended in a mixer with fillers, such as carbon black, silica sand and china clay as well as binders and curatives. The solution can then be cast into moulds or patterns or layed up in to sheet form.

In both cases the process results in a rubber with good resistance to impact and sliding induced abrasion as well as a permanent barrier against corrosion.

### Application

The main use for our K-TEX rubber lining systems is in the fight against plant and component degradation with the aim of the system being to enhance the life of capitol plant and equipment.

With its main characteristics being its resistance to sliding and impact induced abrasion, as well as high degree of noise abatement, then the applications tend to lean towards plant and equipment that have these factors apparent. K-TEX is ideally suited to counter the effects of handling fine and course materials in various application in either a hydraulic or mechanical state of conveyance.

### Forms of supply

K-TEX is manufactured in both sheet form ranging from 1.5mm to 75mm thk, as well as standard moulded components or even moulded to form bespoke items in order to retrofit original equipment manufacturers wear parts.

### Installation

The condition of the substrate normally determines what method of fixing is adopted. K-TEX can be fitted using a range of adhesives or fixed mechanically using standard hand tools.

As with most wear resistant materials the success of the system often depends on the quality and accuracy of the installation.

Before committing to the use of our K-TEX range of materials, we recommend consultation takes place with one of our qualified engineers in order to assess its suitability for particular applications.

Should you have a requirement for the product to be installed or form part of a system, then we would welcome the opportunity in discussing with you your requirements for the design, manufacture, installation and erection of the system using our fully trained staff and workforce, alternatively we will be happy to consult with or even supervise your own workforce.

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### Typical list of applications

- Chutes
- Classifiers
- Cyclones
- Hoppers
- Launderers
- Milling machines
- Pipework
- Tanks
- Washing Drums

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### Physical and Mechanical Properties

PARAMETERS	UNIT	K-TEX 40	K-TEX 60
Polymer type	-	Natural rubber	Natural rubber
Specific gravity	-	0.97	1.1
Wear resistance	IRHD	38	61
Tensile strength	Mpa	26.6	27
Elongation at break	%	810	690
Tension set	%	7	20
Tear strength	N/mm	44	103
Resilience	%	83	70
Abrasion resistant Index (wet)	%	108	210
Service temperature	°C	-40 to +70	-40 to +70

### Chemical Composition

MINERAL CONTENT	APPROXIMATE FIGURES %
Pure natural rubber	95

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