

## K-Ceramic Lining Products

### FOR EXTREME ABRASION PROTECTION

**K-Ceramic Lining Products** provide a solution to extreme abrasion caused by the transport of bulk materials, slurries and dust. Each application must be evaluated, taking into account the size of material, velocity and feed details. All of these factors determine the choice of system used.

Hardness is a good indicator of a material's ability to withstand mechanical wear and abrasion.

Ceramics composed of high Alumina content ( $Al_2O_3$ ) pressed and fired to achieve a dense ceramic liner have a hardness of approximately 9 on the MOHS scale (Diamond = 10).

K-Ceramic Lining Products cover a wide range of tiles of varying thickness, sizes and shapes for fixing by welding, bolting or epoxy adhesion. Cast shapes designed for special purposes and composite rubber backed mats are also available so that material impact may be tolerated.



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### Kinder Australia Pty Ltd

26 Canterbury Road, Braeside VIC 3195  
PO Box 1026, Braeside VIC 3195

☎ +61 3 8587 9111  
☎ +61 3 8587 9101




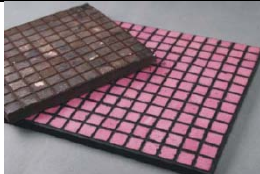
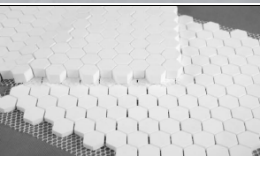

✉ conveyorsolutions@kinder.com.au  
ABN: 28 006 489 238

## K-Ceramic Lining Products

### Technical Data

Item		Content
Alumina content		92%
Density		≥3.62g/cm <sup>3</sup>
Abrasion loss	Alumina tiles	0.014cm <sup>3</sup> / 10 minutes
	Alumina mosaic	0.022cm <sup>3</sup> / 10 minutes
Hardness	Rockwell A hardness	≥87 HRA
	MOH hardness	9 grade
Impact strength		≥850 MPA
Bending Strength		≥290 MPA
Thermal conductivity		20W/ MK
Thermal expansion coefficient		7.2x10-6/ MK
Water absorption		none
Surface		Smooth, clear, pure white
Size		Normal size and custom-design can be supplied

Item	Size	Colour	Remark
Alumina Mosaic	Square 10x10, 20x20, 30x30, 40x40mm	white/red	Thickness can be adjusted
	Hexagon 12x12, 11.5x11.5, 19.5x19.5mm		
Alumina Cylinder	12.7, 20, 30, 32, 40 DIA	white	Height can be adjusted
Alumina pipe/tube	5mm-500mm DIA	white	Length can be adjusted

Weld on for Ceramic Alumina tiles with hole		Adhesive Glue for Silk	
Lock Slot for Ceramic Alumina tile		Adhesive Glue for Rubber	
Adhesive Glue for Net		Adhesive Glue for Plastic	



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