



Wear Resistant Ceramic Lining

Zibo BOMAI Ceramic Materials Co.,Ltd

Address: High-Tech Development Zone, Zibo, Shandong, China

Tel: +86-533-3142011

E-mail: sales@wear-ceramic.com

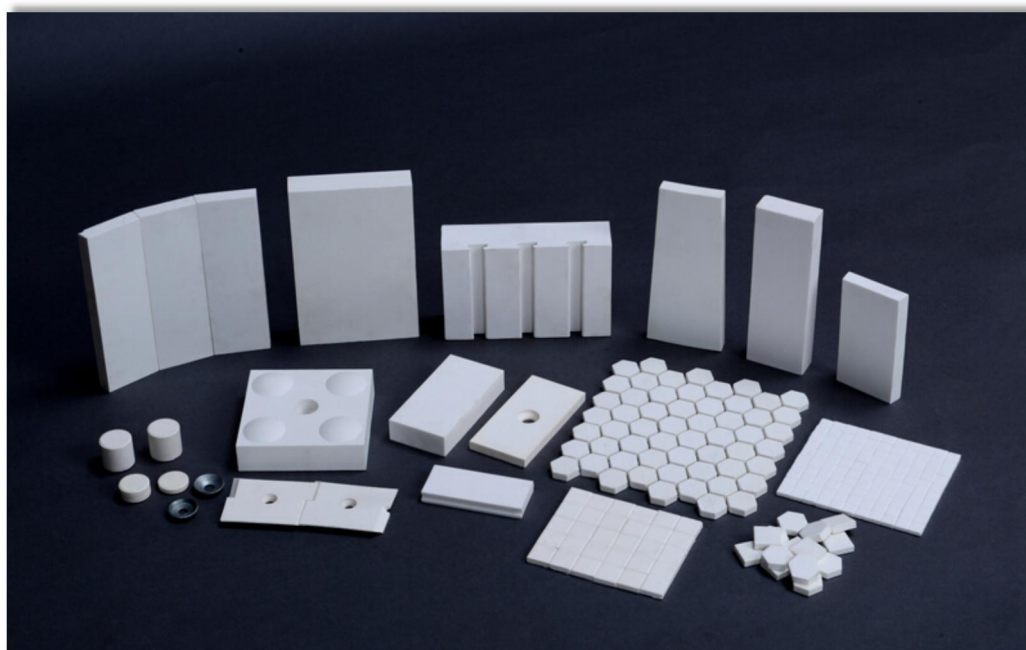


Wear Resistant Ceramic Lining



Wear resistant alumina tile:

Wear-resistant alumina tile are a special aluminum-oxide ceramic developed specifically for use as a wear resistant surfacing material. Harder than any naturally occurring substance except diamond, almost any surface subjected to sliding abrasive action can be protected with alumina ceramic. For example, it is being used to protect the metal surfaces of chute, bins, and hoppers, vibrating feeder pans, cyclones, centrifuges, conveyors, elbows and other equipment which is subject to severe abrasion.



Series	BM92	BMT95	BMZTA	BMZR
AL ₂ O ₃ (%)	92 ± 0.5	95 ± 0.5	74 ± 0.5	——
ZrO ₂ (%)	——	——	25 ± 0.5	94.8 ± 0.5
Bending strength(MPa)	>220	>280	>400	>1000
Fracture toughness(MPa ^{1/2})	>3.6	>3.9	>7	>12
Rockwell hardness(HRA)	>82	>88	>90	>88
Loss bulk(cm ³)	<0.5	<0.3	<0.15	<0.1
Bulk density(g/cm ³)	>3.6	>3.7	>4.1	<5.9

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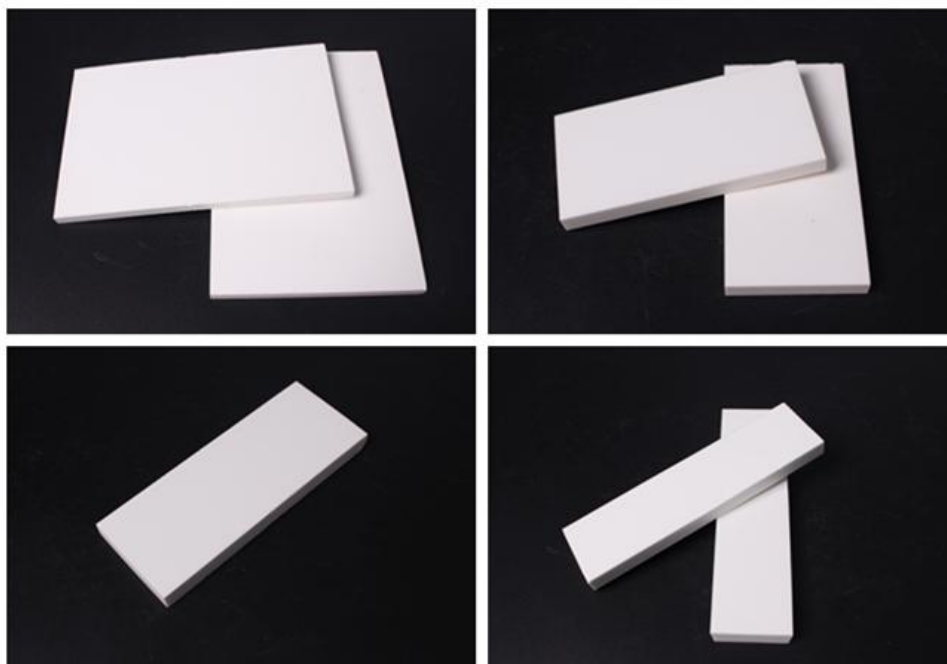
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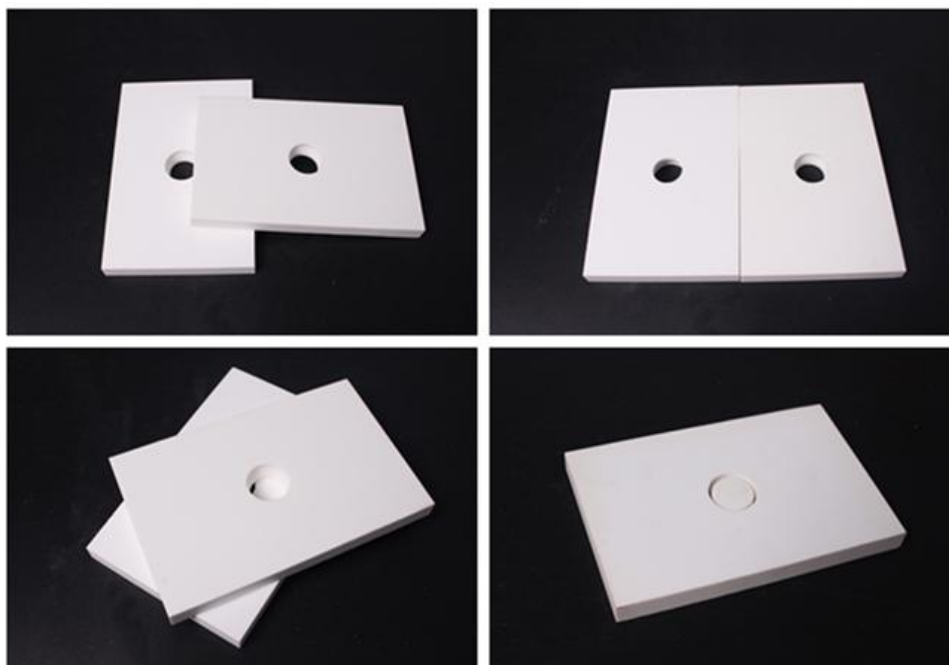
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Flat plate



Welding plate



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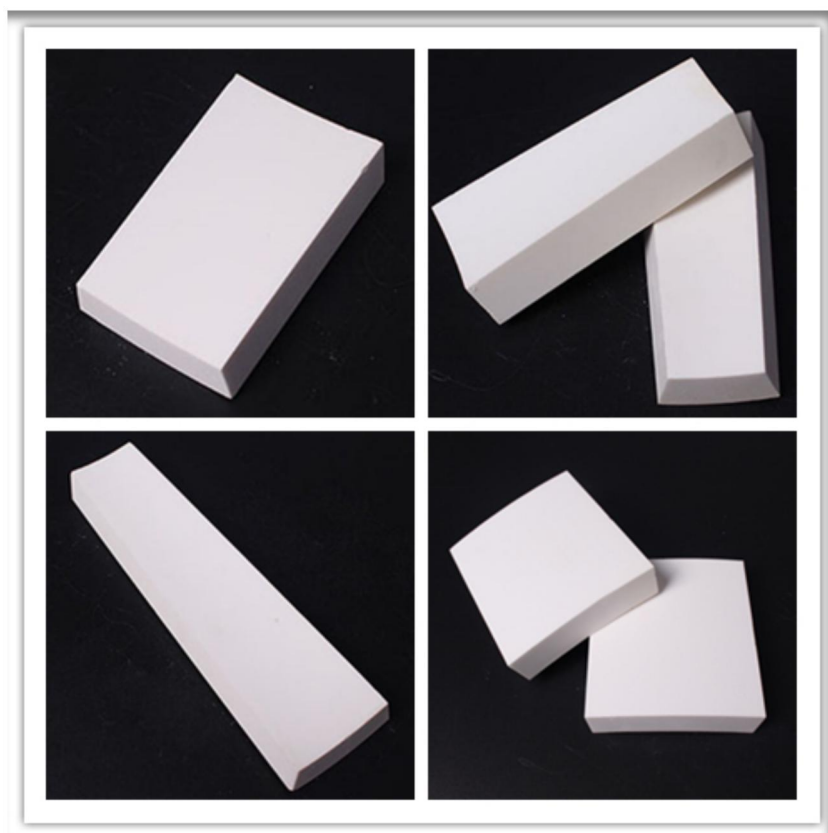
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Cyclone liner



Commonly used specifications of microcrystalline alumina lining board:

specification	Length	Width	Height
Flat plate	50-200	25-150	6-50
Welding plate	50-150	30-150	8-30
Pipe lining board	50-150	20-150	8-30



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Commonly used specifications of microcrystalline alumina lining:

Product	Length	Width	Height	Remarks
10*10	10	10	3-10	Paste
17.5*17.5	17.5	17.5	4-10	Paste
20*20	20	20	4-10	Paste
24*24	24	24	4-10	Paste

Microcrystalline alumina lining



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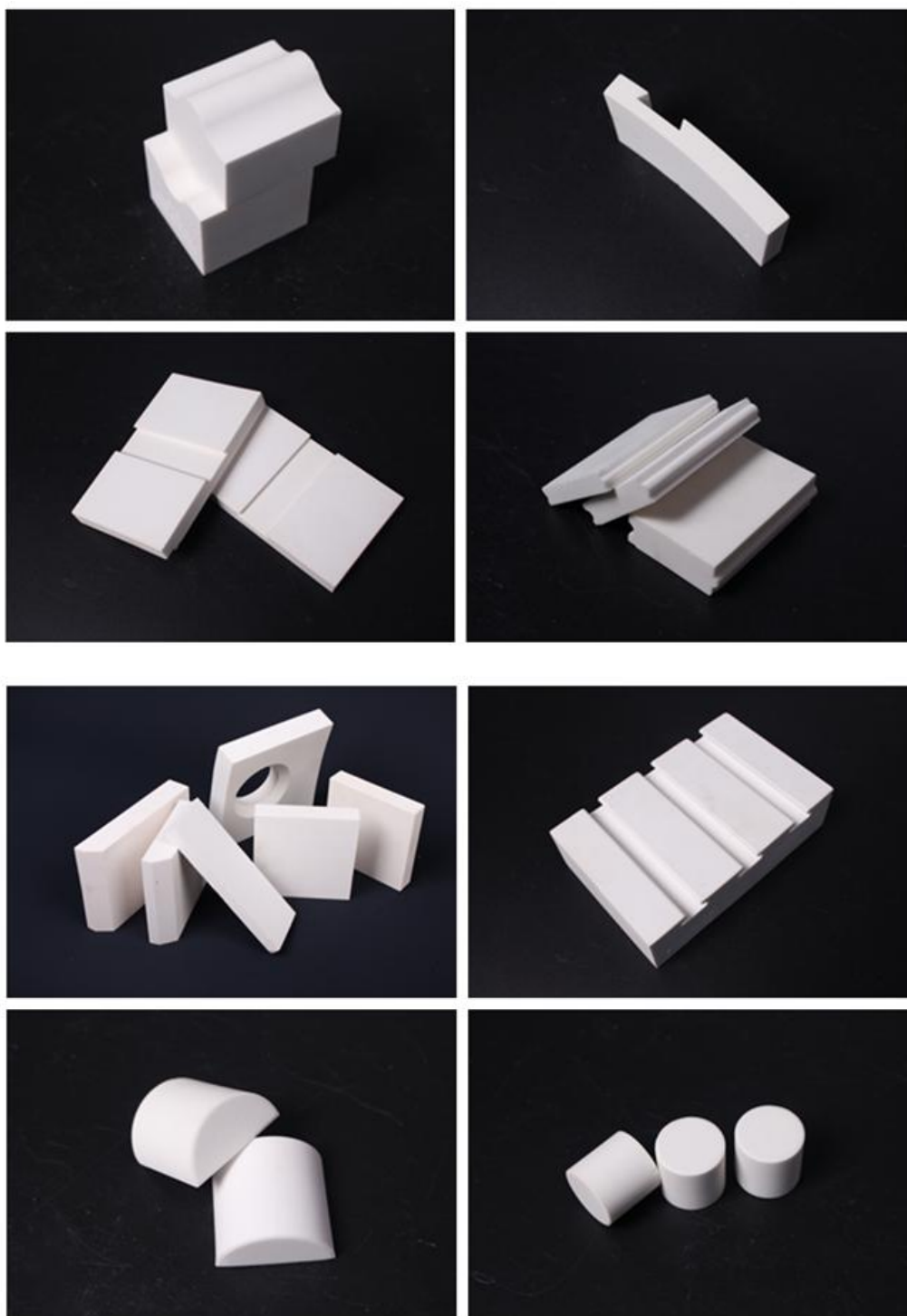
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Wear Resistant Ceramic Lining



Ceramic liners



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