

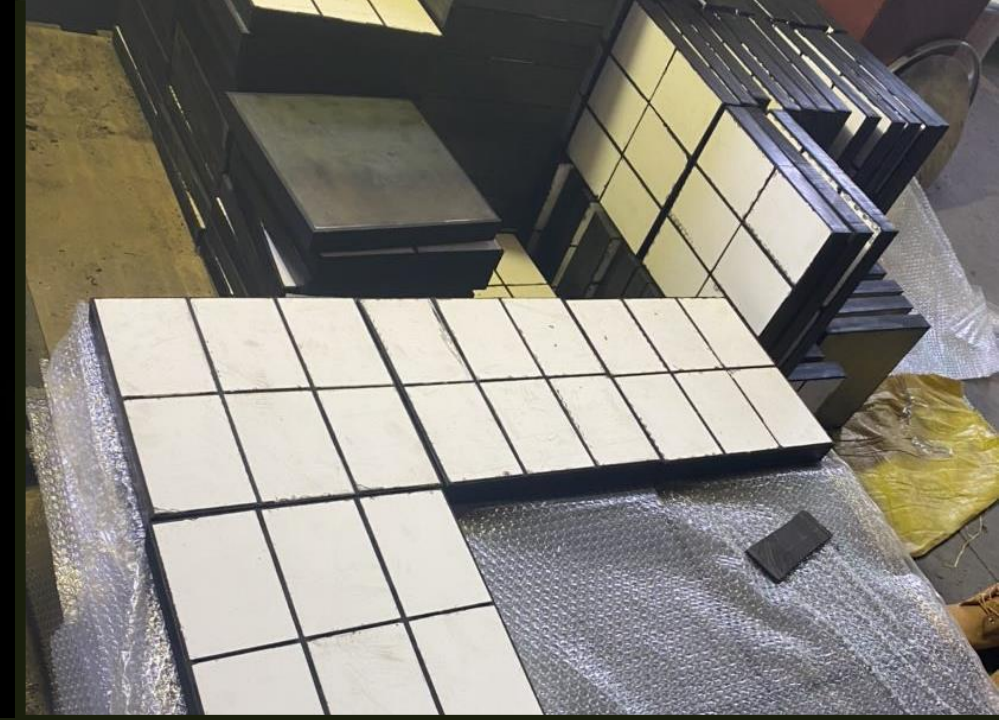
ZIBO HUAO NEW MATERIALS CO.,LTD

淄博华澳新材料有限公司

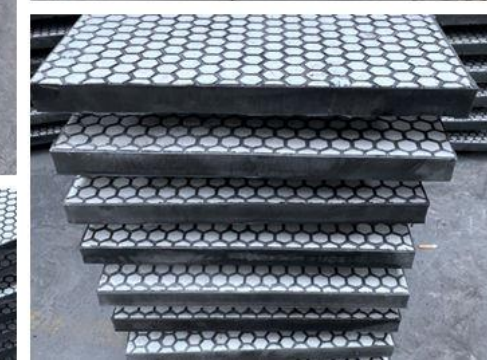
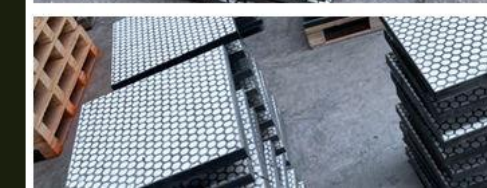
Asset Management | Engineering & Mechanical | Process Equipment
| Wear Prevention | Grinding | Refractory Raw Materials

*Delivering excellence in wear prevention products and service to the hard rock industry
, Including cast basalt, cast silicon carbide and alumina*

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Ceramic Lining Wear Resistant Panel/Plate



Introduction of wear resistant panel

Impact panels have the alumina exposed to the material flow whilst being fully embedded within a specially designed elastomer.

Impact panels is excellent for application of high impact and extreme wear. The alumina provides a very smooth surface for material flow and actually reduces its resistance to friction with service life. The elastomer backing also helps to reduce vibration and noise levels within the plant and is engineered to resist the size and type of impact experienced for each individual project.

The Impact wear plates use rubber as the bonding agent. The rubber is pressed around and between the alumina tiles and steel backing plate. The process of high pressure, heat and a superior bonding agent. This ensures removal of the alumina from the plate is virtually impossible.

Although standard panels are available, individual projects can be engineered by HUAO fully trained and experienced field engineers

The alumina can be laid out with staggered or aligned joints. Both tiles and cylinders can be used of different sizes and shapes.



DETAILINFORMATION/INDEX

项目/产品 ITEM/PRODUCT	HA 92	HA 95	ZTA
AL ₂ O ₃ (%)	92±0.5	95±0.5	76±0.5
ZrO ₂ (%)			20
抗弯强度 (MPa) Bending Strength	> 220	> 280	> 400
断裂韧性 (MPam 1/2) Fracture Toughness	> 3.60	> 3.90	> 4.50
洛氏硬度 (HRV) Rockwell Hardness	> 82	> 88	> 90
磨损体积 (cm³) Wear Volume	< 0.50	< 0.30	< 0.15

Panel Size	300x300, 200x200, 225x225, 250x250, 400x400, 425x425,500x500, 600x600		
Ceramic Size	Ceramic tiles are available from 10x10mm to 100x150mm; thickness of ceramic tile can be from 1.5mm to 50mm		
Backing Plate	Steel plate with thickness ranging from 3mm to 10mm(Optional)		
Rubber Thickness	Depends upon the impact stress expected or customer requirement.		
Remarks	Metal+Rubber+Ceramic/Rubber+Ceramic Plain surface or Spherical surface. Studs also available upon request Custom shapes can be made.		
Material Properties		Units	Value
Rubber	Tensile Strength	Mpa	16
	Break Extension	%	450-500
	Shore Hardness	-	60±5
	Break Permanent Deformation	%	30
	Main Composition		Natural Rubber+SBR
Peel Strength between rubber and ceramic/rubber and steel		Mpa	6
Bonding Strength between rubber and ceramic		Mpa	4

APPLICATIONS & HARDWARE

Application

Raw Material Feed
Head Chute Liner
Impact Curtains
Chute Liner
Rock Boxes
Skirt Boards
Bucket Liner

Fastening Methods

Rubber Bond
Studs
Captive Socket
Plug Weld

Backing Plates

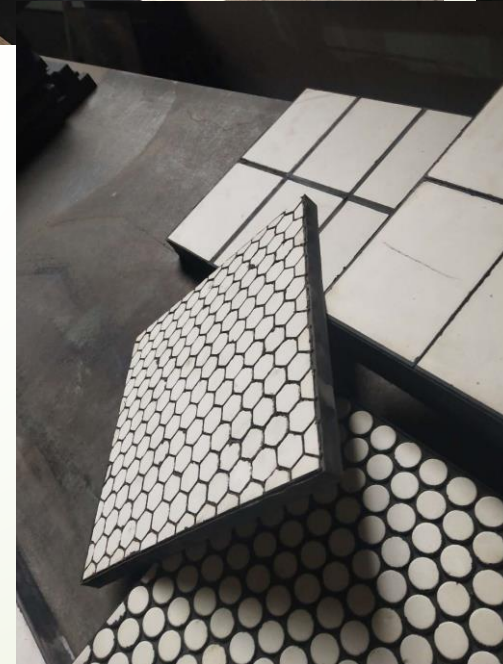
Plain Rubber with Captive Studs
Mild Steel
3 Cr12
Stainless Steel

Detail
information/index

A close-up photograph of a person's hands measuring a metal mesh screen. The person is using a blue digital depth gauge to measure the thickness of the mesh. The gauge's digital display shows '1.197 mm'. A yellow tape measure is also visible, showing a measurement of approximately 1.2 inches. The mesh is made of a dark metal with a hexagonal pattern. The background is a light-colored surface with some text, including 'SIZE' and 'QTY:'.

Show of cargoes

Provide: photos, inspect documents, video



THANK YOU

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