

Rubber ceramic lining

High aluminum wear plates and ceramic liner parts are specially developed for high-pitch applications, such as coal-based units, mud transportation, acid slurries, ash processing, mining, cement, steel, and mineral processing units.

The XR rubber ceramic lining is second only to diamond in hardness, ensuring that extremely hard materials prove to be one of the best wear-resistant materials. It can use bulk materials to handle longer than any other conventional materials. The advantage of this product is its high wear resistance under high temperature and corrosion.

LIFE COMPERISION

- ☞ 2Times more than High Chrome/Ni-Hard
- ☞ 3Times more than Cast Chrome Alloy
- ☞ 3Times more than Cast basalt
- ☞ 4Times more than Abrasion Resistance Steel
- ☞ 8Times more than Stainless Steel
- ☞ 15Times more than Mild Steel
- ☞ 43Times more than Polyurethane

Specifications

PROPERTIES	90%
Al ₂ O ₃	90 + 2%
SiO ₂	8 - 10%
Colour	White
Density	3.6gm/cc
Hardness R45N	9
Water Absorption	NIL
Compressive strength	1986Mpa
Tensile Strength	165Mpa
Flexural Strength	325Mpa
Wear & Chemical resistance – mg/cm ² /day	0.031
Thermal properties – No load count	1550°C

Ceramic rubber wear liner is using the heat pressing to vulcanize the high alumina ceramic and rubber together. It can be installed onto the equipment surface by adhesive directly. It has both the advantage property of ceramic's high hardness and rubber's impact resistance ability. Hardness is up to as high as 1800, extending the service life of the equipment more than 15 times.

Industrial applications

The abrasion resistant ceramic linings are ideal wear-resistant material to solve the abrasion problems for many industries.

Typical application are: cement plant, steel plant, smelting, mining, seaport, coal fired thermal power plant.

