

Comprised of high-quality materials to achieve superior mechanical and physical properties to withstand intense flow applications under extreme conditions.

**ENDURATILES** are made up of very dense, high grade alumina ceramic tiles, a material almost as hard as diamond. These tiles protect wear abrasion where commonly found in mining and industrial applications. Typically, alumina ceramic has a wear life 5 times longer to that of Ni-hard.

Available off the shelf in 6mm, 12mm, 25mm and 50mm thicknesses, 150mm x 100mm and 150mm x 50mm sizes

## CERAMIC SPECIFICATIONS

### 92% ALUMINA CERAMIC

Aluminum Oxide %:	91-92
Hardness Vickers (GPa):	1150 (11)
Bulk Density g/cm <sup>3</sup> :	3.60
Impact Strength MPa:	> 850

With 10 high end ceramic cutting machines at our fabrication workshop, Endurattles can pre-shaped to custom sizes. Please contact our sales team for further information.

## DIRECT BOND APPLICATION

Direct bond linings are a cost effective method used to glue wear resistant alumina ceramic directly to a steel surface using specially formulated Epoxy resins. This method has been used for many years and has proven to work extremely effective in pipes and in applications subject to extreme sliding abrasion.

**DGC AFRICA's** highly trained team can supply and fit ceramic tiles to any suitable application, either in-house or on site. Please contact our sales team for further information.



## BENEFITS

- Superior wear life
- Lightweight for easy handling
- High impact resistance
- Engineered to suit
- Customized to fit
- Noise reduction
- Promotes material flow in both wet and dry environments

## APPLICATIONS

- Chutes
- Feeders
- Deflector / Impact Plates
- Ore Handling Systems
- Stackers / Reclaimers
- Ball Mills
- Buckets
- Hoppers.



**ENDURACLAD**  
INTERNATIONAL