

# KALSICA® Wear Protection Linings

## Silicon Carbide Ceramics for Abrasion Protection at Extremely High Temperatures

High precision can be achieved in manufacturing KALSICA shapes, formed by pressing or casting, then sintered in a reactor kiln. Wall thickness from 2 mm for the shaped components is another advantage of using KALSICA wear protection linings.



Silicon carbide linings for plant components for extreme wear, thermal shock and high temperature resistance.

- Outstanding resistance against wear and thermal shock. KALSICA is part of the silicon carbide ceramics group and is available in different qualities:
- Silicon infiltrated (KALSICA-S)
- Silicon nitride bonded (KALSICA-A, -N, -P)
- Metal bonded (KALSICA-M)

**Installation:** individual shapes and components laid in mortar, epoxy, or temperature and acid resistant based mastics. Mechanical attachment is also possible.

**Application temperature:** up to 1000°C/1832°F depending on application and geometry.

**Advantages:** highly abrasion resistant, resistant to thermal shocks and manufactured with small tolerances.



KALSICA lined pipe provides extreme wear and thermal shock resistance in pneumatic conveying.



KALSICA® Silicon Carbide Ceramic Lined pipe transition.



The Wear Protection People

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