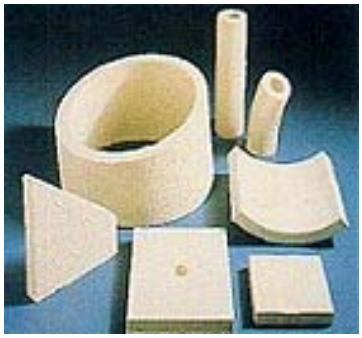
KALCOR® Cast Zirconium Corundum

KALCOR® Cast Linings Provide Maximum Protection Against Extreme Wear and High Temperature



- Complex shapes to cover curved or flat surfaces of any configuration.
- Can be cast with an eccentric ID for a thicker wall where needed.
- True-arc shapes for fewer joints, smoother wear surface.
- Applications up to 1000°C/1850°F.
- Protects components where extreme abrasion is a problem.
- Multiple attachment methods, such as welding and adhesives.
- Tiles have a minimum 1 inch (25 mm) thickness; pipes a minimum 3/4 inch (20 mm).
- Specify for existing systems or original equipment.
- Custom engineered for specific applications.
- Watch the video

KALCOR® cast zirconium corundum is a combination of alumina, zirconia and silica that is melted at 3,600°F and then cast in tiles of various types, cylinders, and custom designed shapes for wear protection. The pre-engineered, cast linings withstand extreme abrasion and moderate impact and have a low thermal conductivity.

Installation: cylinders or shaped components in cement mortar or special mastics. Mechanical attachment is also possible.

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

Advantages: highly abrasion resistant, temperature resistant, corrosion resistant.

Left: High temperature wear protection in a dedusting cyclone of a blast furnace plant in Europe lined with KALCOR fused cast corundum made of alumina and zirconia.

Right: Raw gas duct in a refinery also lined with KALCOR fused cast corundum lining from Abresist Kalenborn.

kalenborn
The Wear Protection People
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