

A Combination of Advantages...

KALCOR-S is Wear-Resistant and Temperature-Resistant



The demands on wear protection materials steadily grow. Important considerations include the best possible adaptation and the specific application conditions. This zirconium corundum material has been engineered for good abrasion resistance and high temperature resistance

up to 1,250 °C / 2,282 °F. KALCOR-S is produced by cold forming aluminum oxide and zirconium oxide raw materials into tiles, shaped elements and tube cylinders and then sintered. This allows the production of elements tailored to a variety of system component geometries.

KALCOR-S

Sintered material made of aluminum and zirconium oxide for system components that are subject to both intense wear and high temperatures.

- Installation: tubular and/or shaped elements are laid in cement mortar or special setting materials. Mechanical fixing systems are feasible in other cases.
- Application temperature: up to approximately 1,250 °C / 2,282 °F – depending on the specific service conditions and geometry.
- Advantages: highly wear resistant, temperature resistant, good thermal shock resistance.

Suitable for Many Applications:

KALCOR-S can be Easily Adapted to Components that Need Protection



KALCOR-S allows simple fabrication of cylinders of relatively thin walls. The cylinder shown above has a diameter of 350 mm, a wall thickness of 12 mm and a maximum length of 500 mm.



The cut surface demonstrates the compact structure of KALCOR-S. The surfaces are practically free of voids.

Summary of advantages of KALCOR-S:

- very hard and abrasion resistant
- zirconium-corundum material
- practically free of voids
- wide range of geometries
- pipe diameters between 50 and 500 mm
- wall thickness 12 mm
- maximum application temperature 1,250 °C / 2,282 °F
- good thermal shock resistance
- asymmetric cross section for pipe bends suitable
- for all Kalenborn fixing systems

Kalenborn Kalprotect

Phone +49 (0) 26 45.18-0
 Fax +49 (0) 26 45.18-112/180 (Export)
 kalenborn@kalenborn.de
 www.kalenborn.de



The Wear Protection People