

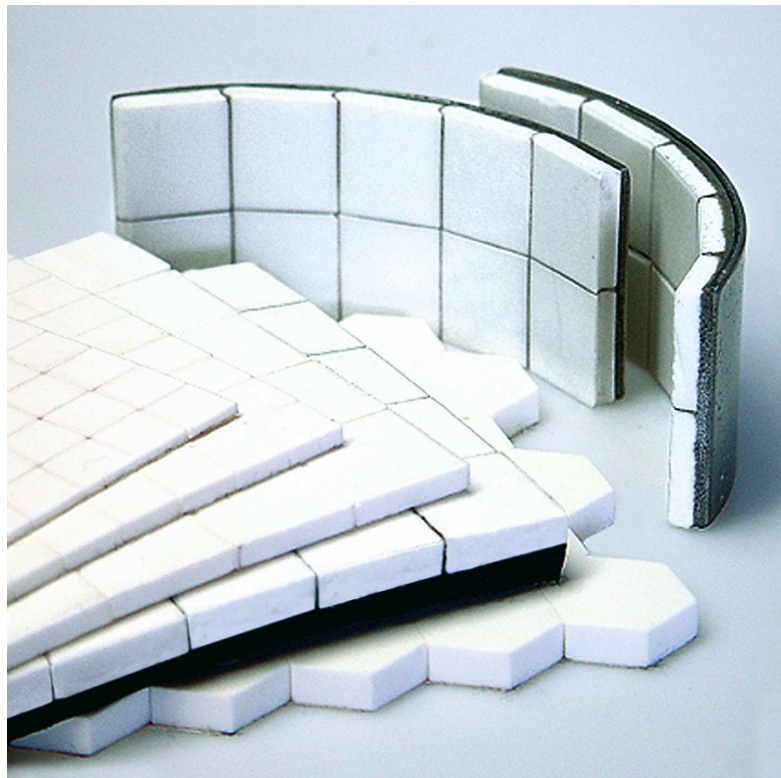
**KALOCER Mosaics –
Very Hard and Highly Wear Resistant**

**Simple Wear Protection even for Complicated
Geometries**

With the introduction of KALOCER mosaics Kalenborn have combined the advantage of traditional mosaic techniques with modern wear protection. The KALOCER material is in the family of oxide ceramics. The major constituent is alumina. Particle size and particle size distribution have been matched to achieve particularly high abrasion resistance. One of the main benefits of KALOCER for general practice is the ability to produce relatively thin tiles. This is of particular advantage whenever existing plant systems have to be lined or where aspects of space and weight are of special importance.

KALOCER mosaics make use of the material's high resistance against wear and temperature. Generally, KALOCER tiles are square, hexagon or special shape with dimensions ranging from 10 x 10 mm to 20 x 20 mm and are glued to mats of 500 x 500 mm. The thickness varies between 1.5 mm and 12 mm. The flexibility of the mats allows quick and simple lining of many various plant systems. In most cases complicated cuts can be avoided.

Options of the above material system include mosaics with book-end joints for a constant joint distance and KERAFLEX solutions, where the high alumina ceramic mosaics have been rigidly vulcanized in rubber mats. This makes the material more resistant against impact loads and reduces the noise level.



KALOCER mosaics are offered in a variety of sizes, thicknesses and shapes. This wide selection frequently enables optimal wear protection solutions for new and existing plants.



Wear protected forced-circulation mixer for bulk construction materials. High alumina ceramic mosaics are well adaptable to the specific geometry.