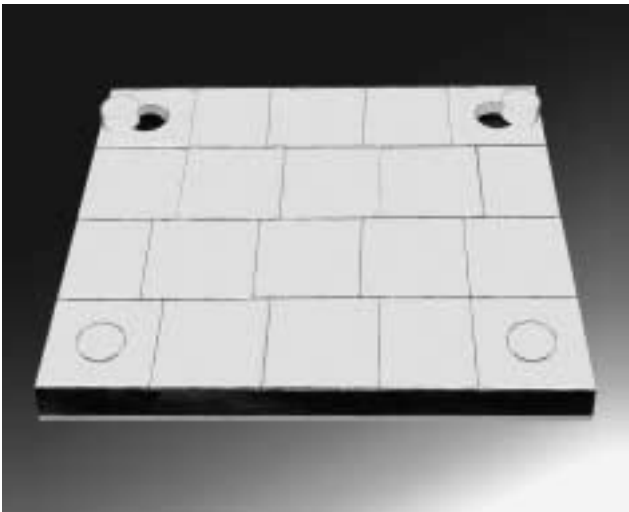


Ceramics Rubber Bonding...

KERAFLEX Combines Hard Ceramics with Impact Resistant Rubber



KERAFLEX is ceramic tile vulcanized into rubber mats. The ceramic tile can be of varying size and thickness. Tile as small as 20 x 20 mm are possible, as well as standard tile 100 x 150 mm. The thickness of the ceramic tiles can be as much as 50 mm.

Steel backing plates ranging from 3 mm to 10 mm are incorporated,

with alloy steels available for certain situations. The thickness of the rubber base depends on the impact stress expected.

The thickness of KERAFLEX elements ranges from 25 to 100 mm. Standard production KERAFLEX elements range from 100 x 100 mm up to 500 x 500 mm.

The maximum application temperature is 80 °C/176 °F.

Two Different Systems are Offered

- **KERAFLEX-KRM**
A composite construction of ceramics, rubber and steel
- **KERAFLEX-KR**
A composite construction of ceramics and rubber

Advantages of KERAFLEX

- Impact resistant ceramic elements
- Very hard and wear resistant surface
- Impact resistant thanks to the rubber layer matched to the specific application and the optimal vulcanization
- Simple and reliable mechanical fastening or attachment by gluing
- Easy replacement of the elements
- Optimal adaptation to special requirements with a variety of sizes, thicknesses and designs
- Good sound insulation

Different KERAFLEX Systems are Offered: KRM for Simple and Reliable Fastening, KR for Flexible Gluing

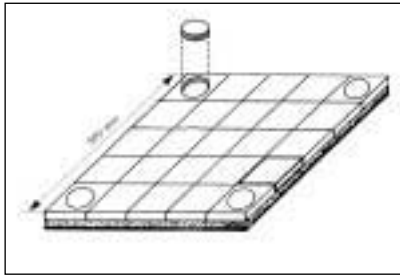
KERAFLEX-KRM

This is a system of KALOCER high alumina ceramics, rubber and steel that is vulcanized into a single unit.

The elements are mechanically attached to the sub-surface with bolts, a proven method.

The bolt holes are covered by ceramic caps with an OD of 42 mm glued in place, providing a complete ceramic wear surface.

KERAFLEX KRM is especially suited for flat surfaces such as rectangular bunkers. Its geometry is designed to each specific project.



KERAFLEX-KRM

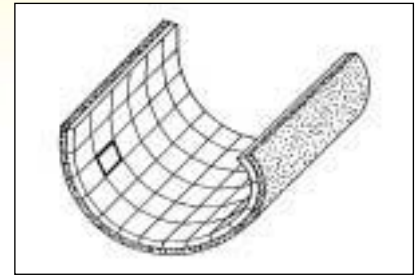
The elements have a maximum size of 500 x 500 mm, with 4 bolts. The smallest piece is a 100 x 100 mm with a single bolt connection.

KERAFLEX-KR

These elements consist of KALOCER high alumina ceramics and rubber. They are flexible and can be applied to surfaces of varying geometry, and are usually glued in place.

Different types of KALFIX adhesives are available for this purpose. The particular adhesive is chosen based on the nature of the sub-surface and the application temperature.

This system is especially suited for curved and uneven surfaces and is offered in a number of sizes. The shape can be varied as well, depending on the lining required.



KERAFLEX-KR

Fields of Application

KERAFLEX elements are used whenever heavy abrasion occurs along with high impact stress.

Typical Applications

- Impact areas in bunkers
- Conveyor belt transfer points
- Feed chutes, etc.

Major Industries

- Blast furnace plants
- Coal fired power plants
- Cement works