

Press release

Presse-Information

Service de presse

07.08.2008

New Wear Protection System offered by Kalenborn

KERAFLEX Withstands Heavy Impact and Wear Stress

KERAFLEX components are hard materials like KALOCER high alumina ceramics or KALMETALL-W hard overlay welded plates vulcanized onto rubber. These elements are used whenever intense abrasion occurs in combination with high impact load.

KERAFLEX is produced in standard dimensions ranging from 100 x 100 mm to 500 x 500 mm. The maximum application temperature is 80°C / 176° F.

Kalenborn offers a comprehensive range of KERAFLEX. KERAFLEX-KRM consists of KALOCER high alumina ceramics, rubber and steel which have been combined through vulcanization into a functional component in a single operation. KERAFLEX-KRM combines the impact resistant properties of rubber with a very hard and wear resistant ceramics surface. The elements are mechanically connected to the subsurface by means of bolts in a time-tested attachment system.

The KERALEX-KR system consists of a combination of KALOCER high alumina ceramics with rubber. The elements are flexible and can therefore be matched to a variety of geometric surfaces. KERAFLEX-KR is normally glued in place. Different types of KALFIX are available for that purpose.

KERAFLEX-WRM consists of KALMETALL-W hard overlay welded plates, rubber and steel. This system also combines the three materials through vulcanization into functional system components in a single operation. KERAFLEX-WRM combines highly impact resistant rubber elements with a hard and wear resistant surface.

KERAFLEX-RM is a system made up of rubber and steel. It is highlighted by extreme impact resistance.

Altogether the KERAFLEX system offers the following benefits: The elements are characterized by a hard and wear resistant surface. They are impact resistant thanks to a strong rubber layer and optimal system vulcanization. They are easily and reliably fastened by mechanical means and/or glued. The elements can be replaced easily. The system allows optimal adaptation to the specific requirements thanks to varying sizes, thickness and design. The system also offers efficient sound insulation.

KERAFLEX is typically applied wherever bulk materials are conveyed in many parts of the basic industry, especially on impact surfaces in bunkers, belt transfer points and inlet chutes.



The KERAFLEX system, an optimal solution for heavy impact and abrasive load



KERAFLEX-KRM used to fight abrasion and impact load in a discharge chute that handles coal and iron ore in a harbor loading and unloading plant