

Extreme wear resistance

LASTS UP TO 30 TIMES LONGER THANKS TO THE HARD CERAMIC CORE.

KERA GIGANT ceramic wear elements are ideal for applications involving the regular flow of coarse, abrasive material. For example, at transfer points, in feeder skips, on material slides or chutes and for the lining of silos.

The ceramic elements have been vulcanised in rubber in order to make the most of the properties both materials offer. The elastic properties of the rubber provide a cushioning effect, absorbing the impact energy applied to the ceramic. The sheet steel reinforcement of the ceramic elements supports a variety of attachment options, using either fixing holes or bolts.

The vulcanised ceramic elements can be moulded into four different shapes. They are manufactured according to individual customer requirements in order to minimise costs and changeover times, as well as improve the energy efficiency of modern screening technology.

Features

- Ceramic stones vulcanised in rubber wear elements
- Less abrasion
- In four designs for various applications
- Savings on raw materials, energy and costs
- Manufactured according to customer requirements
- Also available for detachable screen systems
- Other materials:
CLEAN Rubber 35 Shore
KÜPRENE 90 Shore

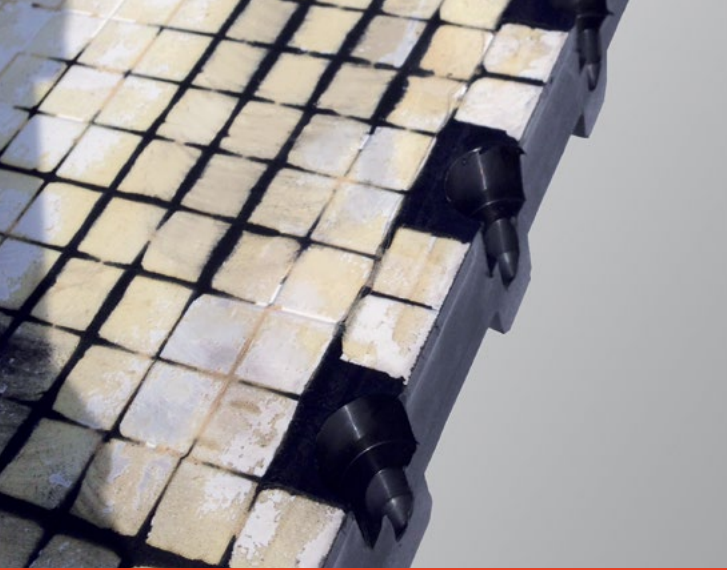
Lifetime comparison with ceramic elements

+ 3,300 %

Used in a gravel quarry in Germany's Weser-bergland, material chute with 60° incline, round grain and sand-gravel mix with 0–32 mm at approx. 1,000 t/h.

KERA GIGANT rubber element with ceramic cylinder screwed in, 35 mm, lifetime approx. 4 years

Hardox 450, 15 mm, lifetime max. 6 weeks



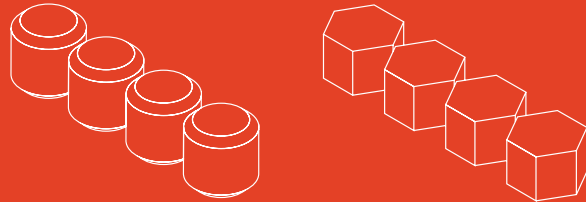
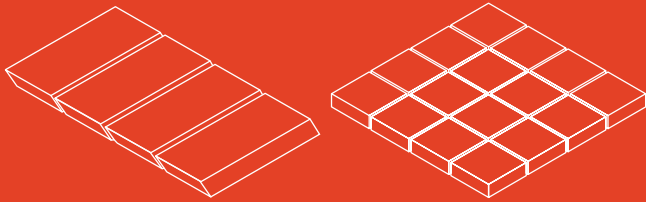
Available in four shapes

Ceramic plates
80 x 33 x 5 mm

Ceramic mosaic
20 x 20 x 6 mm

Ceramic cylinder
ø 25 x 25 mm

Ceramic hexagon
20 x 15 mm



Used for applications with a high flow of material and excessive wear, low rubber absorption (2 mm rubber between steel sheet and ceramic), Overall height min. 20 mm, Used in material chutes, for the lining of silos and similar applications

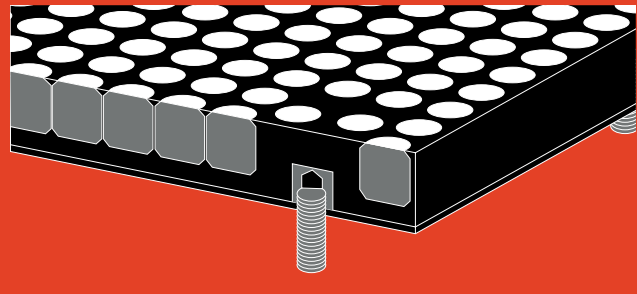
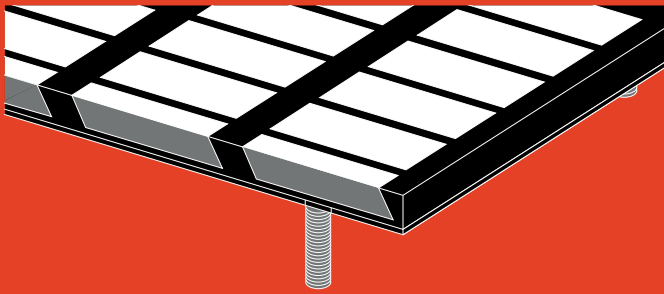
Used for applications with a high flow of material and abrasive material, up to 60° impact angle, high rubber absorption (7 mm rubber between steel plate and ceramic), Total thickness min. 35 mm, Used in vibration conveyors, chutes, bunkers, at loading points, in gutters, funnels and as silo lining

Attachment system 1

Screwed, with welded threaded rod

Attachment system 2

Screwed, with vulcanised threaded sleeve



Areas of application



Quarrying Sand/ gravel pit Mining Recycling Industry Steel industry

WEAR TECHNOLOGY

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