

KALIMPACT

A HARD MATERIAL RUBBER COMPOSITE FOR HEAVY IMPACT- AND ABRASIVE RESISTANCE



- **KALIMPACT combines specific material strengths** regarding resistance to wear and against destruction due to impacts. This results in individually tailored and particularly cost-effective solutions to guard against wear.
- **KALIMPACT is also advantageous in applications** where the material being conveyed should not be subjected to additional breakage. Lined plant components provide environmentally friendly noise and vibration insulation. Examples of this include discharge chutes for coal and iron ore in a port transshipment operation. Suitable design ensures that the elements can be replaced. Maintenance can be carried out rapidly.
- **Depending on the specific abrasion and impact resistance requirements**, KALIMPACT comprises either ABRESIST fused cast basalt, KALOCER oxide ceramics or with KALMETALL hard overlay welded plates. Each of the different material variations is formed into a vulcanised composite rubber sheet. KALIMPACT is primarily used where heavy abrasion occurs in combination with high impact loading. Depending on the version, the sheet is fastened with thinbed adhesive, mechanically via a carrier steel plate or with magnets.

KALIMPACT benefits

- Impact-resistant elements
- Hard, wear-resistant surface
- Impact-dampening characteristics of the rubber
- Easy, secure installation by mechanical, adhesive or magnetic means
- Easy replacement of the elements
- Optimal adaptation to specific needs through different sizes, thicknesses and configurations
- Good insulation against noise and vibration

KALIMPACT - AT A GLANCE

Rubber composite	Hard material thickness (mm)	Rubber thickness (mm)	Steel backing plate (mm)	Format (mm)	Format stones (mm)	Joints (mm)	Laying pattern
KALIMPACT ABRESIST	30	5	5	300 x 300	150 x 150	0-2	Plates
KALIMPACT KALOCER	4	4	Contact-layer	600 x 600	20 x 20	0-2	Mosaic mats
KALIMPACT KALOCER	13/25	5	5	300 x 300	150 x 100 100 x 100	0-2	Rectangles
KALIMPACT KALOCER	25/40	10	5	300 x 300	40 x 40	2-3	Squares
KALIMPACT KALMETALL	6+4	5	5	300 x 300	300 x 300	0-2	Plates

Photo	Benefits	Applications	Abrasion resistance	Impact resistance	
				at impact angle 0-45°	at impact angle 45-90°
	<ul style="list-style-type: none"> • low impact strength • flat angle of impact • abrasion-resistant • mechanical or magnetic fastening • noise reduction 	<ul style="list-style-type: none"> • feed chutes, material feed • discharge shafts • transfer stations • chutes • hoppers • bunkers 	++	++	+
	<ul style="list-style-type: none"> • low impact strength • flat angle of impact • very abrasion-resistant • adaptable to convex and concave shapes • thin walls • easily cut to size • bondable • noise reduction 	<ul style="list-style-type: none"> • chutes • belt transfer stations • feed chutes • material feed 	+++	+++	++
	<ul style="list-style-type: none"> • moderate impact strength • flat angle of impact • outstanding abrasion resistance • mechanical or magnetic fastening • noise reduction 	<ul style="list-style-type: none"> • level bunker areas or flumes • open chutes for coal and iron ore in transshipment firms 	++++	++++	+++
	<ul style="list-style-type: none"> • very high impact strength • steep angle of impact • highly abrasion-resistant • mechanical or magnetic fastening • noise reduction 	<ul style="list-style-type: none"> • chutes • belt transfer stations • feed chutes • material feed 	+++	++++	++++
	<ul style="list-style-type: none"> • outstanding impact strength • flat and steep angle of impact • abrasion-resistant • mechanical fastening • noise reduction 	<ul style="list-style-type: none"> • level bunker areas or flumes • release chutes for coal and iron ore in transshipment companies • quarries 	++	++++	++++



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