

# KALIMPACT

## Material data sheet

**Impact optimized wear resistant products** with ceramic, fused cast basalt or metal liners vulcanized in compressible rubber coat/layer as impact absorber. KALIMPACT provides combined properties of shock absorption through rubber as well as extreme wear protection and abrasion resistance through high alumina and silicon carbide ceramic tiles, fused cast basalt or metal liners.

### Properties of all applied materials

Feature	Unit	Data
<b>KALOCER HD Ceramic specifications</b>		
Shape	Mosaic mat / Rectangle Squares / Hexagonal	
Panel Configuration	KALOCER Rubber KALOCER Rubber Metal	
Chemical composition	Al <sub>2</sub> O <sub>3</sub> [%]	≥ 92 (HD)
Hardness Vickers	HV 1	1200
<b>ABRESIST Fused Cast Basalt specifications</b>		
Panel Configuration	ABRESIST Rubber Metal	
Chemical composition	SiO <sub>2</sub> ; Al <sub>2</sub> O <sub>3</sub> ; FeO <sub>3</sub> ; CaO; MgO	
Hardness Vickers	HV 1	770
<b>KALSICA S</b>		
Panel Configuration	KALSICA Rubber Metal	
Chemical composition		SiC, Si
Hardness Vickers	HV 1	1.600
<b>Rubber specifications</b>		
Chemical composition	NR/SBR	Natural Rubber / Styrene Butadiene Rubber
Shore hardness	Shore A- ISO 7619-1	58 ± 5
Temperature (operating)	°C	-30 ... + 80
Tensile strength	MPa (20°C)	15 - 16
Chemical resistance	pH	> 4
Oil resistance	Fuel / Petroleum / Vegetable	no

All technical data are approximate values. They are based on assessment of tests on specific samples. Therefore they cannot be considered as a guarantee for which Kalenborn would have to assume legal responsibility. Subject to technical changes and errors. For further details, sizes or executions, please contact our technical sales department.

