

## SILCAL 1050

**SILCAL 1050** is an environmentally friendly, lightweight, compression-resistant and high-temperature insulation board based on lightweight calciumsilicate.

SILCAL		Unit	1050	
Upper application limit temperature		°C	1,000	
Bulk density ± 10%		kg/m <sup>3</sup>	270	250
Compressive strength at 5% compression		MPa	≥ 1.0	
Flexural strength			≥ 0.55	
Linear shrinkage after 16 h	1,000 °C	%	≤ 2.0	
Thermal conductivity $\lambda$ bei $t_m$	200 °C	W/(m·K)	0.083	0.065
	400 °C		0.086	0.081
	600 °C		0.139	0.116
	800 °C		0.222	0.169
Chemical composition				
SiO <sub>2</sub>		%	47	55
CaO			40	36
Al <sub>2</sub> O <sub>3</sub>			0.4	0.5
Fe <sub>2</sub> O <sub>3</sub>			0.35	1
<b>Abmessungen</b>				
Length		mm	1,000 ± 3.0	1,000 ± 3.0
Width			500 ± 2.0	500 ± 2.0
Thickness			≤ 25	≥ 30

The properties mentioned are typical values obtained according to the listed methods. Product variations have to be taken into account. The data do not represent guaranteed properties and cannot be used for any warranty claim. Data are subject to technical modifications.

