



## SILCA T300

► Data Sheet No. 12.37

SILCA T300 is a non combustible insulation board for fire protection applications, based on low density calciumsilicate with good mechanical and thermal properties.

Material Properties	Method	Unit	SILCA T300
Certifying post			MPA NRW
Approval number			A1 P-MPA-E-00-639
CE-identification mark	EN 14306		CE
Max. application temperature		°C	1000
Bulk density approx.	EN 1094-4	kg/m <sup>3</sup>	306-330
Porosity	EN 1094-4	%	90
Cold compression strength	EN 1094-5	MPa	3,0
Specific heat capacity		kJ/kgK	0,9
Thermal conductivity $\lambda$ at $t_m$	EN 993-14	W/mK	
	20°C		0,09
	200°C		0,09
	400°C		0,11
	600°C		0,15
Thermal expansion	RT-700°C	m/mK	$5,5 \times 10^{-6}$
Standard dimensions	Length	mm	500 / 1000 / 1500 / 3000
	Width		625 / 1250
Thickness		mm	25-100
Dimensional tolerances	Length	mm	+/- 5
	Width		+/- 3
	Thickness		+/- 2

productionindex: 250

These values are tested in accordance with standards. They represent typical average values, but are subject to variations of raw materials and production. Errors and misprints are not excluded. We are not liable for damages, connected with the use of our products. Our terms of delivery and payment are valid with respect to any liability.