

	SILCA® 200	SILCA® 250 SB	SILCA® T 300	
Approvac				
European notify body	See BG, Hamburg	See BG, Hamburg	See BG, Hamburg	
Certificate No.	107.063	107.055	107.048	
U.S. Coast Guard Approval No.	164.109/EC0736/107.063	164.109/EC0736/107.055	164.109/EC0736/107.048	
Annex A.1 Item No. & Item designation	A.1/3.13 non combustible materials	A.1/3.13 non combustible materials	A.1/3.13 non combustible materials	
Intendend purpose	SOLAS 74/88	SOLAS 74/88	SOLAS 74/88	
Testing based on	IMO Res. MSC.61(67)	IMO Res. MSC.61(67)	IMO Res. MSC.61(67)	
General appraisal certificate	P-MPA-E-00-639 A1, non combustible	P-MPA-E-00-639 A1, non combustible	P-MPA-E-00-639 A1, non combustible	
MECHANICAL PROPERTIES				
Bulk density (EN 1094-4)				
(± 10%)	kg/m ³	210	250	340
	lbs/cu.ft.	13	16	21
Open porosity (acc. EN 1094-4)				
	%	93	90	87
Compressive strength (EN 1094-5)				
	MPa	1,2	1,5	2,6
	lbs/sq.in.	174	217,5	377
THERMAL PROPERTIES				
Thermal conductivity (EN 993-14)				
20°C	W/(mK)	0,06	0,07	0,10
200°C	W/(mK)	0,08	0,08	0,12
400°C	W/(mK)	0,12	0,11	0,14
600°C	W/(mK)	0,18	0,13	0,16
800°C	W/(mK)	0,25	0,17	0,19
68°F	BTU/(sq.ft.h°F/in.)	0,42	0,49	0,69
392°F	BTU/(sq.ft.h°F/in.)	0,55	0,55	0,83
752°F	BTU/(sq.ft.h°F/in.)	0,83	0,76	0,97
1112°F	BTU/(sq.ft.h°F/in.)	1,25	0,90	1,11
1472°F	BTU/(sq.ft.h°F/in.)	1,73	1,18	1,32
Specific heat capacity				
app.	kJ/(kgK)	1	1	1
	BTU/(lb°F)	0,24	0,24	0,24
Coefficient of thermal expansion				
20°C - 700°C (68°F - 1292°F)	K ⁻¹	5,5x10 ⁻⁶	5,5x10 ⁻⁶	5,5x10 ⁻⁶
	°F ⁻¹	3,1x10 ⁻⁶	3,1x10 ⁻⁶	3,1x10 ⁻⁶
DIMENSIONS				
Standard size	mm	inches		
Length	500 , 1000	19.68 , 39.37		
Width	1250	49.21		
Thickness	25 bis 100	1 to 4		
Maximum sizes up to (length / width / thickness)	3000 / 1250 / 100	118.11 / 49.21 / 4.33		
Dimensional tolerances	mm	inches		
Length	± 5	± 0.2		
Width	± 3	± 0.12		
Thickness	± 2	± 0.08		

These values are tested in accordance with standards. They represent typical average values, but are subject to variations of raw materials and production variances. We are not liable for damages, connected with the use of our products. Misprints and errors excepted

General remarks

Large sections should be supported by using adequate support systems. SILCA® can be mechanically fixed using glue and/or screws.

SILCA® must be stored in dry environment. For additional information please contact CALSITHERM Silikatbaustoffe GmbH.

CALSITHERM®

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