



SKAMOTEC 225

for building fireplace surrounds and mold remediation



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Grade		SKAMOTEC 225
Maximum service temperature (EN 14306:2009)		
	°C	1000
	°F	1832
Bulk density, dry (EN 1094-4)		
	kg/m³	225
	lbs/cu.ft.	14
Compressive strength (EN 1094-5: 1995)		
@ room temperature	MPa	2.8
	lbs/sq.in.	406
Modulus of rupture (EN 993-6: 1995)		
	MPa	1.4
	lbs/sq.in.	203
Specific heat		
	kJ/(kg×K)	0.84
	BTU/(lb×°F)	0.20
Coefficient of reversible thermal expansion (BS 1902: section 5.3: 1990)		
@ 20°C-750°C (68°F-1382°F)	K ⁻¹	5.5x10 ⁻⁶
	°F ⁻¹	3.1x10 ⁻⁶
Coefficient of hygric expansion (DTI report)		
@ 23°C 50%RH to 23°C 10%RH	mm/(m%RH)	4.0x10 ⁻³
Coefficient of hygric contraction (DTI report)		
@ 23°C 50%RH to 23°C 100%RH	mm/(m%RH)	0
Sound reduction index		
Thickness 19 mm	dB	24
38 mm		27
40 mm		29
Thermal conductivity (ASTM C-182)		
mean temp. @ 20°C	W/(m×K)	0.06
@ 200°C		0.08
@ 400°C		0.10
@ 600°C		0.12
@ 68°F	BTU/(sq.ft×h×°F/in)	0.42
@ 392°F		0.55
@ 752°F		0.69
@ 1112°F		0.83
Chemical analysis, typical		
Silica	SiO ₂	45
Calcium oxide	CaO	45
Loss on ignition 1025°C (1877°F)	LOI	8
Water content		
	%	2.5
Non-combustibility tests (EN 13501-1:2007 + A1:2009)		
Classification	Class A1 non-combustible	
HS Tariff number		
(Harmonized Commodity Description and Coding System)	6806.90.00	
Colour		
	GREY	

Data are average results of tests conducted under standard procedures and are subject to variation. Data contained in this data sheet are supplied in good faith as a technical service and are subject to change without notice. Misprint and errors excepted.

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