

# SKAMOTEC 225

for building fireplace surrounds and mold remediation



Skamol A/S  
 Østergade 58-60  
 DK-7900 Nykøbing Mors  
 Denmark  
 Tel: +45 9772 1533  
 Fax: +45 9772 4975  
 insulation@skamol.dk

www.skamol.com

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

October 2012