



FL-06

Skamol Insulating Mortar

for hot-face application and back-up insulation - up to 1150°C (2102°F)



Maximum service temperature		
	°C	1150
	°F	2102
Bulk density as supplied		
	kg/m ³	1300
	lbs/cu.ft.	81
Bulk density, dried at 110°C (230°F)		
	kg/m ³	1600
	lbs/cu.ft.	100
Pyrometric cone equivalent (ASTM C24-89 ORTON cones)		
	°C	1585
	°F	2885
Total porosity		
	%	40
Water content as supplied		
	%	2
Binder		
		Silicate
Joint thickness		
Recommended	mm (inch)	3 (0.1")
Not to exceed	mm (inch)	5 (0.2")
Chemical analysis, typical		
	%	
Silica	SiO ₂	46
Alumina	Al ₂ O ₃	40
Titanium oxide	TiO ₂	1.5
Ferric oxide	Fe ₂ O ₃	1.2
Magnesia	MgO	0.9
Calcium oxide	CaO	0.4
Sodium oxide	Na ₂ O	3.6
Potassium oxide	K ₂ O	1.6
Loss on ignition 1025°C (1877°F)	LOI	4.1
Usage		
Quantity to set 1m ³ (35.3 ft ³) of bricks (equiv. 500 standard 230x114x76 mm)	kg (lbs)	110 (243)
Quantity to fix 1m ² (11 ft ²) of slabs	kg (lbs)	5.33 (11.7)
Water usage		
	Litres to 25 kg	9.5
	US gallons to 55 lbs	2.5
Setting mechanism		
		air and heat-setting
HS Tariff number		
(Harmonized Commodity Description and Coding System)		3816.00.00

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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.