



BB-FILLER

SKAMOL Moler aggregate insulation

– up to 900°C (1652°F)



Description

Moler aggregate BB-FILLER is a lightweight material, chemically inert and remarkable for its very good insulating properties.

The granulated free-flowing loose-fill insulating material is derived from fired SKAMOL raw diatomite, which is crushed, sieved and graded to 0.3-1.0 mm (18-50 mesh).

Aggregates in alternative formulations to meet specific requirements can be made upon inquiry.

Sieve analysis - % by weight passing ISO sieves			
4.0 mm	2.0 mm	1.4 mm	0.5 mm
100	99-100	95-100	0-5

Application

Due to its free-flowing properties BB-FILLER is ideally suited as a loose-fill insulation for furnace cavities and double-skin linings, over arched roofs and in open joints, levelling of furnace bottoms and hearths.

BB-FILLER is specially designed as a joint filler for SKAMOL BB-blocks.

Packing

BB-FILLER is supplied in 25 kg (55 lbs) plastic bags.

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Maximum service temperature			
	°C	900	
	°F	1652	
Bulk density, as supplied			
	kg/m ³	550	
	lbs/cu.ft.	34	
Pyrometric cone equivalent (ASTM C24-89 ORTON cones)			
	°C	1350	
	°F	2462	
Thermal conductivity (BS 1902: Section 5.5 1991)			
mean temp.	@ 200°C	W/(m×K)	0.16
	@ 400°C		0.18
	@ 600°C		0.20
	@ 392°F	BTU/(sq.ft×h×°F/in)	1.11
	@ 752°F		1.25
	@ 1112°F		1.39
Chemical analysis, typical			
	%		
Silica	SiO ₂		77
Titanium dioxide	TiO ₂		0.7
Ferric oxide	Fe ₂ O ₃		7.0
Alumina	Al ₂ O ₃		9.0
Magnesium oxide	MgO		1.3
Calcium oxide	CaO		0.8
Sodium oxide	Na ₂ O		0.4
Potassium oxide	K ₂ O		1.6
Sulphur trioxide	SO ₃		1.2
Loss on ignition 1025°C (1877°F)	LOI		1.5
Consumption			
Appr. quantity to set 1 m ² (sq.ft) of bricks	kg/m ² (lbs/sq.ft)		3 (0.61)
Colour			
			Red-brown
HS Tariff number			
(Harmonized Commodity Description and Coding System)			2512.00.00

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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